
Bulletin 616

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REPORT ON INSPECTION
COMMERCIAL FEEDING STUFFS
1957



H. J. FISHER
Chief Chemist

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NEW HAVEN

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COMMERCIAL FEEDING STUFFS

REPORT ON INSPECTION

1957

H. J. FISHER¹

THE FEED LAW

The statute relating to concentrated commercial feeding stuffs (Chapter 320, General Statutes, Revision of 1949) imposes upon the Station: (1) all duties incidental to the annual registration of feeds offered for sale in the State; (2) the collection of samples for inspection and analysis; (3) the examination of all samples so collected; (4) the preparation and publication of a bulletin summarizing the results of inspection and giving other pertinent information; and (5) joint responsibility with the Food and Drug Commissioner for rules and regulations carrying out the provisions of the law.

The enforcement provisions of the statute are delegated to the Food and Drug Commissioner.

The following regulations were issued by the Director of this Station and the Food and Drug Commissioner in February, 1949:

REGULATIONS

REGULATION 1. FEEDS NOT CLASSIFIED AS CONCENTRATED COMMERCIAL FEEDING STUFFS (Sec. 6740)

It is held that the law exempts from classification as concentrated commercial feeding stuffs, and therefore from registration: (1) roughages such as hays, straws, corn stover and ensilage; (2) whole grains and mixtures thereof; (3) meals made from whole grains when not mixed with other materials or with each other; (4) feed ground from whole grain and sold by the manufacturer directly to the consumer; and (5) feed mixed according to a formula furnished by the consumer, for his own use.

Under clause (2), above, registration will not be required for mixtures in which the ingredients, excepting corn, are whole grains. Corn, if present, may be whole or cracked.

¹ Analyses are by Mr. O. L. Nolan, Mr. Richard Merwin, Miss Helen Kocaba, Miss Sunrae Agostini, Mrs. Joan Curtiss and Miss Mary Lucibello; biological assays under direction of Dr. Lester Hankin; microscopic examinations by Miss Janetha Shepard; and sampling by Mr. R. Richard Nichols. Compilations are by Miss Evelyn Caputo and Miss Eleanor Hopcraft.

Clause (4) refers to feed ground from materials furnished by the consumer.

Under clause (5) feed is regarded as "mixed to order" and must be so tagged together with the name of the customer for whom it is mixed, or otherwise identified to distinguish it from regular brands offered for general sale. Such feed must be sold only to the customer for whom it was mixed; if sold to others it becomes a regular brand and subject to registration and other provisions pertaining to feeds in general.

REGULATION 2. METHOD OF LABELLING (Sec. 6741)

All concentrated commercial feeding stuffs, other than vitamin D carriers, must be labelled either by a statement printed on the bag or upon a properly attached tag; in the case of concentrated feeding stuff sold in bulk, a certificate which shall contain the information otherwise required to appear upon the bag or upon the tag, may be issued by the dealer in lieu thereof.

The use of wire or any metal in affixing tags is prohibited by law.

The law requires a statement of (1) the net weight of the feed contained in the package; (2) the name, brand or trademark, under which the feed is sold, (3) name and address of the manufacturer or importer; (4) the minimum percentages of (a) crude protein and (b) crude fat, and the maximum percentage of (c) crude fiber contained in the feed; (5) the separate ingredients of which the feed is composed.

While the law requires only a statement of the items enumerated above, no objection will be raised to more complete statements of chemical composition or formula.

REGULATION 3. CONCERNING VITAMIN D CARRIERS

Vitamin D carriers are required to be registered in the same manner and under the same conditions as obtain for feeds in general

Information to be given on labels and in applications for registrations is (1) name of product; (2) vitamin D potency in terms of A. O. A. C. chick units per gram; (3) name and address of manufacturer, distributor or other person responsible for the product; and (4) on the label, a statement of net weight or volume.

The A. O. A. C. chick unit is the vitamin D activity produced by one U. S. Pharmacopoeia unit of vitamin D from the U.S.P. "Reference Cod Liver Oil", determined by the method of assay adopted by the Association of Official Agricultural Chemists.

REGULATION 4. CONCERNING COTTONSEED MEAL, ETC.

Cottonseed meal, linseed meal, soybean meal, and other vegetable feeds that are sold as fertilizer, are required to be registered under the provisions of the fertilizer law in addition to registration as feeds. If

sold exclusively for one or the other of these purposes, the articles may be registered only under the law which applies.

For such of these articles as are used for fertilizer purposes chiefly or entirely as sources of nitrogen, only nitrogen (or protein) need be declared in the application for registration as fertilizer; and the tags or labels generally attached to such articles when intended for feeding purposes will be acceptable for them when sold as fertilizer.

REGULATION 5. DUTIES OF MANUFACTURERS, JOBBERS AND
DEALERS WITH REFERENCE TO REGISTRATION
(Sec. 6742)

All concentrated commercial feeding stuffs, including vitamin D carriers, must be registered with The Connecticut Agricultural Experiment Station annually on January 1, or before they are offered for sale. Registration blank forms are supplied by the Station.

Manufacturers, jobbers or individuals shipping feeds into Connecticut will be expected to register their brands and pay the necessary fees thereon. *Connecticut dealers should assure themselves that the brands they handle are properly registered and labelled. In case the manufacturer or jobber outside the State neglects or refuses to register, the dealer who handles such feeds will be held responsible for such registrations, registration fees and other legal requirements.*

Dealers within the State who mix their own brands are responsible for the registration and proper labelling thereof.

REGULATION 6. DEFINITIONS OF TERMS USED IN THE LAW
AND OF OTHER TERMS

Person. The term "person" imports the singular or the plural as the case demands; and includes corporations, companies, societies and associations.

Importer. The term "importer" is defined in the act.

Brand. It is held that a distinct brand name, or a distinct analysis, constitutes a distinct brand.

Definitions for Feeding Stuffs. The definitions and standards for feeding stuffs adopted from time to time by the Association of American Feed Control Officials are accepted as official in carrying out the provisions of this law; and the rules and regulations as adopted by that association are accepted as far as possible and when not inconsistent with the Connecticut Statutes.

REGULATION 7. METHODS OF ANALYSIS
(Sec 6741)

The methods of analysis employed shall be those prescribed by the Association of Official Agricultural Chemists, wherever such methods have been adopted for the determinations desired

REGULATION 8. CONCERNING MEDICATED FEEDS AND MINERAL MIXTURES

The law does not include medicated products used as "conditioners" for stock and poultry, and which consist essentially of substances possessing, or claimed to possess, medicinal or condimental properties; nor does it include products consisting of supplemental minerals.

REGULATION 9. FEEDS IN DIFFERENT PHYSICAL FORMS

The same feed offered in different physical forms, e. g., mash and pellets, requires but one registration.

REGULATION 10. REVISIONS AND SUBSTITUTIONS OF REGISTRATIONS

A feed registration after being filed may be revised without payment of an extra registration fee.

A brand of feed duly registered and subsequently discontinued may be replaced by another brand for the unexpired period of registration without payment of an extra registration fee.

REGISTRATIONS

For the period January 1, 1957 to December 31, 1957, 229 firms registered 1,625 brands of feeding stuffs, and 32 firms registered 61 brands of vitamin carriers.

Acme-Evans Co. Inc., 902 W. Washington Ave., Indianapolis 9, Ind.

- Acme Hominy
- Acme Standard Wheat Germ Meal
- Acme Wheat Bran
- Acme Wheat Standard Middlings with Screenings

The Agro Company of Canada Limited , 450 Bridge St., Montreal 1, Canada

- Agro Bran
- Agro Shorts

Albers Milling Co., 5045 Wilshire Blvd., Los Angeles 36, Calif.

- Albers Calf Manna
- Albers Rabbit Breeder Ration
- Albers Rabbit Family Ration
- Albers Rapid-Ade
- Albers Suckle

Allied Chemical & Dye Corp., Nitrogen Division, P. O. Drawer 61, Hopewell, Va.
"PROCADIAN" Urea Feed Mixture

Allied Mills, Inc., 3400 Board of Trade Bldg., Chicago, Ill.

- Sugarine 16% Dairy "E"
- Wayne Breeder
- Wayne Broiler Feed (156) Medicated
- Wayne Broiler Feed (157) Medicated
- Wayne Calfnip
- Wayne Calf Starter "A"
- Wayne Calf Supplement
- Wayne Chick Feed
- Wayne Chick Starter (132) Medicated
- Wayne Chick Starter (133) Medicated
- Wayne 16% Dairy
- Wayne 20% Dairy
- Wayne 24% Dairy "E"
- Wayne Dairy Mixer "W"
- Wayne Dienestrol Diacetate (Lip) 3-Nitro & Nicarbazin Inc. in Wayne 16% Finishing Feed (199)
- Wayne Egg
- Wayne 26% Egg and Breeder
- Wayne Egg Producer "E"
- Wayne Fattening Pellets (161) Medicated
- Wayne Fattening Pellets (162) Medicated
- Wayne 16% Finishing Feed (198) Medicated
- Wayne Fitting Ration
- Wayne Grower
- Wayne Horse Feed
- Wayne Medicated H-A-D (170)
- Wayne Medicated H-A-D (171)
- Wayne Medicated H-A-D (172)
- Wayne Medicated H-A-D "200" (180)
- Wayne Medicated Stress Diet (175)
- Wayne Medicated Stress Diet (176)
- Wayne Mink Meal
- Wayne Pork Maker
- Wayne Poultry Worming Mixture
- Wayne Pullet Builder
- Wayne Rabbit Ration
- Wayne Rocket Broiler Finisher (195) Medicated
- Wayne Rocket Broiler Finisher (196) Medicated
- Wayne Rocket Broiler Starter (185) Medicated
- Wayne Rocket Broiler Starter (186A) Medicated
- Wayne Sweet Bulky Feed

Allied Mills, Inc., 3400 Board of Trade Bldg., Chicago, Ill.—Cont.

Wayne Tail Curler
Wayne Test Cow Ration
Wayne Turkey Breeder
Wayne Turkey Breeder (213) Medicated
Wayne Turkey Developer (225) Medicated
Wayne Turkey Developer (226) Medicated
Wayne Turkey Developer (227) Medicated
Wayne Turkey Developer (229) Medicated
Wayne Turkey Finisher
Wayne Turkey Finisher (246) Medicated
Wayne Turkey Grower
Wayne Turkey Grower (231) Medicated
Wayne Turkey Starter (220) Medicated
Wayne Turkey Starter (221) Medicated
Wayne Turkey Starter (222) Medicated
Wayne Universal Breeder
Wayne Universal Dairy Feed
Wayne Universal Egg
Wayne Universal Grower
Wayne Universal Grower (144) Medicated
Wayne Universal Turkey Grower
Wayne Universal Turkey Grower (236) Medicated
Wayne Universal Turkey Grower (240) Medicated

Almonte Flour Mills Ltd., Almonte, Canada

Registered by A. S. MacDonald Commission Co., Boston, Mass.
Shorts

American Crystal Sugar Co., 600 Boston Bldg., Denver, Colo.

Dried Beet Pulp with Beet Molasses
Plain Dried Beet Pulp

American Maize-Products Co., 250 Park Ave., New York 17, N. Y.

Amaizo Corn Oil Meal
Amaizo Gluten Meal
Cream of Corn Gluten Feed

Archer-Daniels-Midland Co., 600 Roanoke Bldg., Minneapolis 2, Minn.

Archer Quality 34% Protein Linseed Oil Meal—Solvent Extracted
Archer Quality 44% Protein Solvent Extracted Soybean Oil Meal

Atlantic Processing Co., Amagansett, N. Y.

Smith's Life Line Fish Meal

B & W Canning Co., Inc., Groveland, Fla.

"B'n W" Brand Dried Citrus Pulp

E. R. Bacon Grain Co., 177 Milk St., Boston, Mass.

Bacon's Corn Gluten Feed

E. W. Bailey & Co. Inc., Montpelier, Vt.

Bailey's Corn Gluten Feed
Bailey's Soybean Meal

Barber & Bennett, Inc., Albany, N. Y.

Ace 20% Dairy Ration
Dairy Sweet Succulent Mixture
12% Fitting and Calf Grain Ration
Fort Orange All Mash Grower
Fort Orange All Mash Layer
Fort Orange Breeders Mash
Fort Orange Broiler Mash Medicated
Fort Orange Calf Starter & Grower
Fort Orange Chick Starter Medicated
Fort Orange Golden Test Ration
Fort Orange Horse Feed
Fort Orange Laying Mash
Fort Orange Medicated Appetizer Mash

**The Beacon Milling Co., Inc., A Division of Spencer Kellogg & Sons, Inc.,
Cayuga, N. Y.**

(See also *Vitamin Carriers*)

Auburn "14" Dairy Ration

Auburn "16" Dairy Ration

Auburn "20" Dairy Ration

Beacon "24"

Beacon "32"

Beacon Acetylamino Nitrothiazole Mix—Mixed with Beacon "20" Turkey Grower

Beacon Balancer Pellets

Beacon Beef Creep and Fitting Ration

Beacon Breeder All-Mash

Beacon Breeders Mash

Beacon Broiler Finisher

Beacon C-C Pellets

Beacon Calf Grower

Beacon Calf Starter

Beacon Chlortetracycline Mix

Beacon Chlortetracycline and Furazolidone Mix

Beacon Chlortetracycline & Furazolidone Mix—Mixed with Beacon Broiler Finisher

Beacon Chlortetracycline & Nicarbazine-Arsanilic Acid Mix—Mixed with Beacon Broiler Finisher

Beacon Chlortetracycline & Nicarbazine-Arsanilic Acid Mix—Mixed with Beacon Starter-Broiler

Beacon Complete Rabbit Pellets

Beacon Complete Starter

Beacon Dairy Breeder Pellets

Beacon Dairy Fitting

Beacon "15" Dairy Ration

Beacon "16" Dairy Ration

Beacon "20" Dairy Ration

Beacon Dienestrol Diacetate & Nicarbazine Mix—Mixed with Beacon Poultry Finisher

Beacon Diethylstilbestrol Mix—Incorporated in Beacon Super Steer Supplement

Beacon Duck Breeder

Beacon Duck Breeder Developer

Beacon Duck Fitting

Beacon Duck Grower-Finisher

Beacon Duck Starter

Beacon "22" Egg Mash

Beacon Goat Ration

Beacon Grower All-Mash

Beacon "18" Growing Mash

Beacon High Vitamin D₂ Mix—Incorporated in Be-Co-D

Beacon Hog Grower—Medicated

Beacon Hog Supplement

Beacon Horse Feed

Beacon Keep Sweet Silage Preservative

Beacon Market Egg All-Mash

Beacon Nicarbazine, Arsanilic Acid Mix—Mixed with Beacon Broiler Finisher

Beacon Nicarbazine, Arsanilic Acid Mix—Mixed with Beacon Starter-Broiler

Beacon Nicarbazine Mix—Mixed with Beacon Complete Starter

Beacon Nicarbazine Mix—Mixed with Beacon Grower All-Mash

Beacon Nicarbazine Mix—Mixed with Beacon Poultry Gro-Finisher

Beacon 4-Nitrophenylarsonic Acid Mixture—Mixed with Beacon Turkey Breeder All Mash

Beacon 4-Nitrophenylarsonic Acid Mix—Mixed with Beacon Turkey Grower

Beacon Pig Starter Medicated

Beacon Poultry Fitting

Beacon Sodium Propionate Mixture—Mixed with Beacon Dairy Fitting Ration

Beacon Sow Feed

Beacon Starter-Broiler

Beacon Sulfaquinoxaline-Arsanilic Acid Mix—Mixed with Beacon Turkey Starter

Beacon Sulfaquinoxaline Mixture—Mixed with Beacon Turkey Starter

**The Beacon Milling Co., Inc., A Division of Spencer Kellogg & Sons, Inc.,
Cayuga, N. Y.—Cont.**

Beacon "14" Test Cow Ration
Beacon "16" Test Cow Ration
Beacon "18" Test Cow Ration
Beacon Turkey and Game Bird Breeder
Beacon Turkey and Game Bird Fitting
Beacon "22" Turkey and Game Bird Grower
Beacon Turkey and Game Bird Starter
Beacon Turkey Breeder All-Mash
Beacon Turkey Finisher All-Mash
Beacon "20" Turkey Grower
Beacon Worm Mash
Be-Co Grower
Be-Co Nicarbazin Mix—Mixed with Be-Co Grower
Be-Co-Lass
Be-Co Layer
Be-Co-Nurse Milk Replacer

The Berkman Grain Co., North Franklin, Conn.

Nibco Booster Crumbles
Nibco Crate Fattener
Nibco 18% Dairy Ration
Nibco Fitting Ration
Nibco Five Star Super Starter 22%
Nibco Five Star Super Starter 24%
Nibco Five Star Super Starter 28%
Nibco Five Star Weight Maker (.005 3-Nitro Compound)
Nibco Five Star Weight Maker (3-Nitro Compound and Nicarbazin)
Nibco Five Star Weight Maker Nic
Nibco Five Star Weight Maker Nic plus Lip
Nibco Five Star Weight Maker plus Lip
Nibco High Energy Breeder Mash
Nibco High Energy Laying & Growing Mash
Nibco Scratch Feed

The Bloomfield Farmers' Exchange Inc., Bloomfield Conn.

Bloomfield 16% Dairy Ration

The Borden Co., Special Products Div., 350 Madison Ave., New York, N. Y.

(See also *Vitamin Carriers*)

Borden's Dry D
Flaydry Poultry Feed Supplement
Special Formula Number 1384 Poultry Feed Supplement

Bremco Alfalfa Mills, Inc., New Bremen, Ohio

Alfalass
Alfalfa Meal

L. Broder & Co. Inc., Colchester, Conn.

L. B. 16% Dairy Ration

Brooklawn Grain & Feed Co., 321 Sylvan Ave., Bridgeport, Conn.

Brooklawn Egg Mash
Brooklawn 14% Ration
Brooklawn Sweet Mix

Brown-Forman Distillers Corp., 1908 Howard St., Louisville, Ky.

Brown-Forman Corn Distillers Dried Grains
Brown-Forman Corn Distillers Dried Solubles

The Buckeye Cotton Oil Div. of The Buckeye Cellulose Corp., Cincinnati, Ohio

Buckeye 41% Protein Solvent Extracted Cottonseed Meal with added Hydrolyzed
Cottonseed Oil
Buckeye 44% Protein Solvent Extracted Soybean Oil Meal

Calvert Distillers Limited, Amherstburg, Canada
Corn Distiller's Dried Grains

Calvert Milling Co., Hoytville, Ohio
17% Dehydrated Alfalfa Meal

Camden Grain Co., 1709 Kossuth St., Camden, N. J.
Camden Brand Dried Brewers Grain

Camp Milling Co., Inc., Walton, N. Y.

Warren's Complete Chick Starter (*Mfd. for William S. Warren & Son, Eastford, Conn.*)

Warren's Complete Growing Mash (*Mfd. for William S. Warren & Son, Eastford, Conn.*)

Warren's Complete Laying Mash (*Mfd. for William S. Warren & Son, Eastford, Conn.*)

Warren's Laying Mash (*Mfd. for William S. Warren & Son, Eastford, Conn.*)

Warren's 16% Milk Flow (*Mfd. for William S. Warren & Son, Eastford, Conn.*)

Warren's Scratch Grains (*Mfd. for William S. Warren & Son, Eastford, Conn.*)

The C. W. Campbell Co., 27 West Broad St., Westerly, R. I.

Alfalfa

Best Pig and Hog Ration

Camco Horse Feed

Campbell's Sulfaquinoxaline Mixture Inc. in Egg-O Chick Starter & Broiler Ration

16% Coarse Dairy Ration

16% Dairy Ration

18% Dairy Ration

Economical Stock Feed

Egg-O Complete Layer

Egg-O Grower

Egg-O Laying Mash

Egg-O Special Broiler

12% Fitting Ration

14% Fitting Ration

Medicated Egg-O Special Broiler

Medicated Egg-O Special Broiler Finisher

Medicated Egg-O Special Broiler Prime Finisher

Sheep and Goat Feed

The Campbell Co. Milk Replacer

The Canada Linseed Oil Mills, Ltd., 2215 Notre Dame East, Montreal, Canada
"Maple Leaf" Brand Linseed Oilcake Meal

The A. B. Caple Co., Toledo, Ohio

Alfalfa Stem Meal

17% Capex Dehydrated Alfalfa Meal

Cargill, Incorporated, 200 Grain Exchange, Minneapolis, Minn.

Cargill, Inc. 34% Protein Solvent Extracted Linseed Oil Meal

Cargill, Inc. 44% Protein Solvent Extracted Soybean Oil Meal

Carling Brewing Co., 9400 Quincy Ave., Cleveland 6, Ohio

Carling Dried Brewers Grains

Central Conn. Co-operative Farmers' Ass'n. Inc., 10 Apel Pl., Manchester, Conn.

(See also Vitamin Carriers)

Honest Brand Aureomycin Mix 100 grams

Honest Brand Aureomycin Mix 200 grams

Honest Brand Breeder Mash

Honest Brand Complete Breeder Pellets

Honest Brand Complete Ration High Energy Breeder Mash

Honest Brand Complete Ration High Energy Growing Mash

Honest Brand Complete Ration High Energy Growing Mash with Sulfaquinoxaline

Honest Brand Complete Ration High Energy Laying Mash

Honest Brand Nu Weigh Hi Broiler Finisher Mash

Honest Brand Nu Weigh Hi Broiler Mash

Honest Brand Nu Weigh Hi Broiler Mash with Nicarbazin

Honest Brand Nu Weigh Hi Starter Mash

Honest Brand Nu Weigh Hi Starter Mash with Sulfaquinoxaline

Central Soya Co., Inc., 300 Ft. Wayne Bank Bldg., Ft. Wayne, Ind.

Central Soybean Mill Feed

Forty-Four

Thrifty-Fifty

S. J. Cherry & Sons Ltd., Preston, Canada

Wheat Bran

Wheat Shorts

Wheat Shorts (*Mfd. by T. H. Taylor Co. Ltd., Chatham, Canada*)**Citrus Feed Co., P. O. Box 513, Lakeland, Fla.**

FLORIDA CREST All Sweet Dried Citrus Pulp

FOSGATE'S ACE HIGH All Sweet Dried Citrus Pulp

FOSGATE'S ACE HIGH All Sweet Dried Citrus Pulp (*Late Season Production*)**Clinton Corn Processing Co., Clinton, Iowa**

Clinton 21% Protein Corn Gluten Feed

Clinton 41% Protein Corn Gluten Meal

Clinton 16% Protein Sweetened Corn Gluten Feed

Clyde Milling Corp., 15 Sodus St., Clyde, N. Y.

Clyde 16

Clyde C-M-C 30 Dairy Mixing Ration

Clyde Booster 16 Dairy Ration

Clyde Broiler Pre-Starter Medicated

Clyde Chick Starting Mash Medicated

Clyde Complete Calf Starter

Clyde Complete Layer & Grower Mash

Clyde Complete Rabbit Pellets

Clyde Dry & Freshening Ration

Clyde H-E Broiler Ration Medicated

Clyde H-E Broiler Ration with Nicarbazin

Clyde H-E Complete Breeder Mash

Clyde H-E Complete Layer and Grower Mash

Clyde Horse Feed

Clyde Life Span 15

Clyde Life Span 18

Clyde Market Egg Mash

Clyde Meat Bird Finisher

Clyde Meat Bird Finisher Pellets Medicated

Clyde Medicated Hi-Level Mash

Clyde Milk Las 15 Dairy Ration (Coarse)

Clyde Pig and Sow Ration

Clyde Poultry Wormer

Clyde Tastee Station Pellets

Clyde Test Cow 16

Clyde Test Cow 20

Clyde Turkey Grower Medicated

Connecticut Valley 16 Dairy Ration

Corn Gluten Feed

Dewhurst's 16% Dairy Ration (*Mfd. for Dewhurst's Grain Store, Southwick, Mass.*)

Dried Apple Pomace

Dried Brewers Grains

Hominy Feed

Linseed Oil Meal (Solvent Extracted)

New England 16 Dairy Ration

New England 18 Dairy Ration

Soybean Oil Meal (Solvent Extracted)

Warren's Dairy Fitting Ration (*Mfd. for William S. Warren & Son, Eastford, Conn.*)Warren's 16 Dairy Ration (*Mfd. for William S. Warren & Son, Eastford, Conn.*)Warren's Laying Mash (*Mfd. for William S. Warren & Son, Eastford, Conn.*)

Wheat Bran

Wheat Standard Middlings

Cocke and Co., 208 William-Oliver Bldg., Atlanta 3, Ga.

Suni-Citrolas (*Mfd. by Suni-Citrus Products Co., Haines City, Fla.*)

Suni-Citrus Meal, Citrus Screenings and Citrus Molasses in Pellet Form (*Mfd. by Suni-Citrus Products Co., Haines City, Fla.*)

Sweet Suni-Citrus Meal (*Mfd. by Suni-Citrus Products Co., Haines City, Fla.*)

Sweet Suni-Citrus Pulp (*Mfd. by Suni-Citrus Products Co., Haines City, Fla.*)

Colby Cooperative Starch Co., Box 27, Caribou, Maine

Co-Star Brand Dried Potato Pulp

Commercial Solvents Corp., 1331 South 1st. St., Terre Haute, Ind.

(*See also Vitamin Carriers*)

B.Y.-Basic Dried Grain and Cane Syrup Fermentation Solubles (Butyl)

B.Y.-100 Dried Grain and Cane Syrup Fermentation Solubles

Community Service, Inc., Canaan, Conn.

Community Service 16% Dairy Ration

Community Service 18% Dairy Ration

Community Service Fitting Ration

Connecticut Bi-Products, Hop River Rd., Columbia, Conn.

Hydrolyzed Poultry Feathers

Poultry By-Product Meal

Consolidated Blenders, Inc., Fremont, Nebr.

17% Dehydrated Alfalfa Meal with Animal Fat Merry Mixer Greenules

Consolidated Products Co., Danville, Ill.

(*See also Vitamin Carriers*)

"Consolidated's" Dried Whole Whey

Kaff-A

Pex for Poultry

Pex for Layers-Breeders

Consolidated Rendering Co., 178 Atlantic Ave., Boston, Mass.

Corenco Feeding Bone Meal

Corenco 47% Meat & Bone Scrap

Corenco 60% Meat & Bone Scrap

Continental Distilling Corp., 1429 Walnut St., Philadelphia, Pa.

25% Corn Distillers Dried Grains

Corn Products Refining Co., 17 Battery Place, New York 4, N. Y.

Buffalo Brand 21% Protein Corn Gluten Feed

Diamond Brand Corn Gluten Meal

C. A. Cowles, Inc., Plantsville, Conn.

Blue C Feed Complete Growing Mash

Blue C Feed Complete Laying Mash

Blue C Feed 16% Dairy Ration

Blue C Feed 20% Dairy Ration

Blue C Feed Fitting Ration

Blue C Feed Growing Mash

Blue C Feed Horse Feed with Molasses

Blue C Feed Laying Mash

Blue C Feed Plantsville Dairy Ration

Blue C Feed Rabbit Pellets

Blue C Feed Special Starter & Broiler Feed with Nitrofurazone

Blue C Feed Starting Mash

Blue C Feed Super 16% Coarse Dairy Ration

Blue C Feed Super 16% Dairy

Blue C Feed Turkey Growing Mash

Red C Feed Fitting Ration

Red C Feed Laying Mash

Red C Feed Starting & Growing Mash

Chas. M. Cox Co., 177 Milk St., Boston, Mass.*(See also Vitamin Carriers)*

Dienestrol Diacetate-Nicarbazin-Sodium Arsanilate Mixture in Wirthmore Broiler Finisher

Maple Leaf Shorts (*Mfd. by Maple Leaf Milling Co., Ltd., Toronto, Canada*)

Medicated Hi-D-Trol

Medicated Quickies

Pioneer Bran (*Mfd. by Purity Flour Mills Ltd., Calgary, Canada*)Rex Wheat Bran (*Mfd. by Maple Leaf Milling Co., Ltd., Toronto, Canada*)Rex Wheat Middlings (*Mfd. by Maple Leaf Milling Co., Ltd., Toronto, Canada*)

Wirthmore Baby Chick Scratch

Wirthmore Big W 16% Dairy

Wirthmore Big W 20% Dairy Feed

Wirthmore Breeder Mash

Wirthmore 38% Broiler Concentrate

Wirthmore 38% Broiler Concentrate 497 Medicated

Wirthmore 40% Broiler Concentrate

Wirthmore 40% Broiler Concentrate 497 Medicated

Wirthmore 44% Broiler Concentrate 199

Wirthmore Calf Starter Meal

Wirthmore Calving Feed

Wirthmore Chick Starter

Wirthmore Chick Starter 400 Medicated

Wirthmore Coarse Test Dairy Feed

Wirthmore Coccidiosis Treatment Ration

Wirthmore Complete Breeder Ration

Wirthmore Complete Egg Ration

Wirthmore Complete Egg Ration 412 Medicated

Wirthmore Complete Growing Ration

Wirthmore Complete Growing Ration 409 Medicated

Wirthmore Complete Turkey Breeder Ration

Wirthmore Complete Turkey Fattening Ration

Wirthmore Complete Turkey Fattening Ration 443 Medicated

Wirthmore Complete Turkey Growing Ration

Wirthmore Complete Turkey Growing Ration 442 Medicated

Wirthmore 16 Dairy Feed

Wirthmore 20 Dairy Feed

Wirthmore 14 Dairy Fitting Feed

Wirthmore 36% Dairy Mixing Feed

Wirthmore 16 Dairy Record Feed

Wirthmore 18 Dairy Record Feed

Wirthmore 32 Dairy Supplement

Wirthmore Duck Breeder

Wirthmore Duck Fattening

Wirthmore Duck Growing

Wirthmore Duck Starter

Wirthmore Fattening Pellets

Wirthmore Fattening Pellets 460 Medicated

Wirthmore Fodder Greens

Wirthmore Game Bird Grower Ration

Wirthmore Game Bird Starter 480 Medicated

Wirthmore Green Mountain 14

Wirthmore Green Mountain 16

Wirthmore Green Mountain 20

Wirthmore Grow & Egg Mash

Wirthmore Grow & Egg Mash 415 Medicated

Wirthmore Growing Scratch

Wirthmore Hi-Ener-G 16 Pellets

Wirthmore Hi-Ener-G 16 456 Medicated

Wirthmore Hi-Ener-G Breeder

Wirthmore Hog Grower

Wirthmore Horse Feed

Wirthmore Improved Hi-Ener-G Broiler Ration 403 Medicated

Wirthmore Improved Hi-Ener-G Broiler Ration 404 Medicated

Wirthmore Improved Hi-Ener-G Starter & Broiler Ration

Chas. M. Cox Co., 177 Milk St., Boston, Mass.—Cont..

Wirthmore Medicated Broiler Perk
 Wirthmore Medicated Ketrol
 Wirthmore Medicated Rabbit Pellets
 Wirthmore Medicated Turk-E-Perk
 Wirthmore Medicated Turk-E-Treat
 Wirthmore Mornin' Call Complete Grower-Layer
 Wirthmore Mornin' Call Growing-Laying
 Wirthmore Pig & Sow Feed
 Wirthmore Plus 2M Broiler Feed 452 Medicated
 Wirthmore Plus 2M Broiler Feed 453 Medicated
 Wirthmore 36% Poultry Concentrate
 Wirthmore Poultry Fitting
 Wirthmore Poultry Flush
 Wirthmore Poultry Wormer
 Wirthmore Production Scratch
 Wirthmore Rabbit Pellets
 Wirthmore Roaster Finisher 425 Medicated
 Wirthmore Sheep & Goat Ration
 Wirthmore Special Scratch Feed with Cracked Corn
 Wirthmore Special Scratch Feed with Whole Corn
 Wirthmore Stock Feed
 Wirthmore Super Layer Ration 458 Medicated
 Wirthmore Super Pellets
 Wirthmore Turkey Breeder Ration
 Wirthmore Turkey Growing Ration
 Wirthmore Turkey Growing Ration Medicated Histo 0.025
 Wirthmore Turkey Growing Ration Medicated Histo 0.05
 Wirthmore Turkey Starter Medicated
 Wirthmore Twin-Mix Calf Feed

P. Cutler, Inc., Colchester, Conn.

Prosperity Dairy Ration
 Prosperity Laying Mash
 Prosperity Pig Feed
 Prosperity Sweet Beetrus Mix

Dairymen's League Co-operative Ass'n. Inc., 400 Park St., Syracuse, N. Y.
 Dairylea Choice Feed Grade Dried Skim Milk

R. G. Davis & Sons, Inc., 560 Grand Ave., New Haven, Conn.

Davis 16% Dairy Ration
 Davis Egg Mash
 Davis 14% Fitting
 Davis Horse Feed

Dawe's Laboratories, Inc., 4800 So. Richmond St., Chicago, Ill.

(See also *Vitamin Carriers*)
 Dawe's Fermentation Flavonne
 Dawe's Fermentation Supplement 100
 Dawe's Vitamelk (Ruminant Type)
 Flavonne Ribo-D
 3-Nitro-4-Hydroxy Mixture in Special Broiler Mix 571-D

Dawnwood Farms, Smithfield Rd., Amenia, N. Y.

(See also *Vitamin Carriers*)
 Dawnwood Farms CAF-STAR Formula Feed for Calves

Decatur Milling Co. Inc., 717 No. Union St., Decatur, Ill.

Homco Hominy Feed

Delaware Mills, Inc., Deposit, N. Y.

Connecticut Valley 16% Dairy Ration (*Mfd. for Conn. Valley Gristmill, Suffield, Conn.*)
Connecticut Valley Test Ration (*Mfd. for Conn. Valley Gristmill, Suffield, Conn.*)
Delaware Fitting Ration
Delaware H-E Broiler Mash Medicated
Delaware Poultry Fitting Ration
Delaware Scratch Grains
Delaware Sweet 16% Dairy Feed
Warren's C and C Complete Laying Mash (*Mfd. for William S. Warren & Son, Eastford, Conn.*)
Warren's C and C Laying Mash (*Mfd. for William S. Warren & Son, Eastford, Conn.*)
Warren's Chick Starter (*Mfd. for William S. Warren & Son, Eastford, Conn.*)
Warren's Chick Starter Medicated (*Mfd. for William S. Warren & Son, Eastford, Conn.*)
Warren's Complete Grower (*Mfd. for William S. Warren & Son, Eastford, Conn.*)
Warren's Complete Layer (*Mfd. for William S. Warren & Son, Eastford, Conn.*)
Warren's Fitting Ration (*Mfd. for William S. Warren & Son, Eastford, Conn.*)
Warren's Growing Mash (*Mfd. for William S. Warren & Son, Eastford, Conn.*)
Warren's Indian 16% Dairy (*Mfd. for William S. Warren & Son, Eastford, Conn.*)
Warren's Laying Mash (*Mfd. for William S. Warren & Son, Eastford, Conn.*)
Warren's 16% Test Ration (*Mfd. for William S. Warren & Son, Eastford, Conn.*)
Warren's 20% Test Ration (*Mfd. for William S. Warren & Son, Eastford, Conn.*)

The Delphos Grain & Soya Products Co., Delphos, Ohio

41% Protein Soybean Oil Meal (Solvent Extracted)

Derby Feed Store, 176 Main St., Derby, Conn.

Litsky's Hi-Energy All Mash Grower
Litsky's Hi-Energy All Mash Layer
Litsky's Hi-Energy Layer
Litsky's Hi-Energy Starter-Broiler with Sulfaquinoxaline
Litsky's Sweet 16% Dairy Ration
Menhaden Fish Meal (*Mfd. by McNeal Edwards Co., Reedville, Va.*)

Dewhurst's Grain Store, Southwick, Mass.

Registered by Clyde Milling Corp., Clyde, N. Y.
Dewhurst's 16% Dairy Ration

Distillers Corporation Limited, Ville LaSalle, Montreal 32, Canada

Distilco Corn Distillers' Dried Grains

Doughnut Corporation of America, Ellicott City, Md.

Domaco Pure Winter Wheat Bran
Domaco Winter Wheat Standard Middlings
Domaco Winter Wheat White Middlings

The Dover Milling Co., Dover, Ohio

Wheat Middlings with Mill Run Ground Wheat Screenings

The Drackett Products Co., 5020 Spring Grove Ave., Cincinnati 32, Ohio

Drackett 44% Protein Soybean Oil Meal
Drackett 50% Soybean Oil Meal—Solvent Extracted

Duffy-Mott Co., Inc., 370 Lexington Ave., New York 17, N. Y.

Dried Apple Pomace Feed

E. I. duPont deNemours and Company, Wilmington, Del.

(*See also Vitamin Carriers*)

DU PONT-TWO-SIXTY-TWO Feed Compound

Eastern States Farmers' Exchange, Inc., West Springfield, Mass.

(See also *Vitamin Carriers*)

All-Mash Breeder Medicated
Beefmix
Breeder Mash Medicated
Calf Starter
Calving Ration
Cashmaker Medicated
Cashmaker-WM Medicated
Cattle Wormer
Champion
Class Leader
DFE (Drouth Forage Extender)
Darimore
Finisher Medicated
Fulpail
Gee-Mix
Goalmaker Medicated
Lay-Mix Medicated
Matchmaker Medicated
Medicated Defender
Medicated Defender Plus
Medicated Lacto-Life
Medicated Minuteman
Medicated Minuteman—SQ
Medicated Sentinel
Medicated Turkey Starter F
Milkmore
Milksaver
Pacemaker Medicated
Pacemaker Plus Medicated
Pig Primer Medicated
Pork Builder
Porklets
Porkmix
Poultry Wormer
Rabbettes
Supmix
Sweepstakes
Turkey Breeder Pellets
Turkey Finisher
Turkey Grower
Turkey Starter Medicated

Eckhart Milling Co., 1300 W. Carroll Ave., Chicago, Ill.

Ecko Pure Wheat Bran
Standard Wheat Middlings with Ground Recleaned Wheat Screenings

Elmore Milling Company, Inc., 52 Main St., Oneonta, N. Y.

Elmore Booster Pellets
Elmore Breeder Mash
Elmore Broiler Finisher Pellets (1N) Medicated
Elmore Bull Feed
Elmore Calf Grain Ration
Elmore Chick Feed
Elmore Chixsaver (1A) Medicated
Elmore Chixsaver (1N) Medicated
Elmore Chixsaver (1S) Medicated
Elmore Complete Breeder Ration
Elmore Complete Growing Ration
Elmore Complete Growing Ration (1A) Medicated
Elmore Complete Growing Ration (1S) Medicated
Elmore Complete Market Egg Ration
Elmore Complete Rabbit Ration Pellets
Elmore Complete Turkey Breeder Ration

Elmore Milling Company, Inc., 52 Main St., Oneonta, N. Y.—Cont.

Elmore Complete Turkey Growing Ration
 Elmore Complete Turkey Growing Ration (1H) Medicated
 Elmore Complete Turkey Growing Ration (1S) Medicated
 Elmore Dry & Freshening Ration
 Elmore Egg Mash
 Elmore Fitting Ration 14%
 Elmore Flaked Pelleted Calf Starter
 Elmore Fleshing Pellets
 Elmore Game Bird Grower (1H) Medicated
 Elmore Game Bird Grower (1S) Medicated
 Elmore Goat Ration
 Elmore Grand Champion Ration
 Elmore Growing Mash
 Elmore Growing Mash (1N) Medicated
 Elmore Growing Ration (1S) Medicated
 Elmore Hog Ration
 Elmore Horse Feed
 Elmore M.A.C. Laying Mash
 Elmore Makemgrow Little Pig Ration
 Elmore Medicated High Antibiotic Picker-Upper Mash (2A)
 Elmore Milk Grains "Sixteen"
 Elmore Milk Grains "Twenty"
 Elmore Pacemaker 16% Dairy Ration
 Elmore Pacemaker 18% Dairy Ration
 Elmore Pacemaker Fitting Ration
 Elmore Pasture Ration
 Elmore Poultry & Turkey Fitting Ration
 Elmore Super Broiler Ration (1A) Medicated
 Elmore Super Silage
 Elmore 30% Supplemental Dairy Ration
 Elmore Test Ration 14%
 Elmore Test Ration 16%
 Elmore Test Ration 18%
 Elmore Turkey Breeder Mash
 Elmore Turkey Finisher (Fattener)
 Elmore Turkey Finisher (Fattener) (1H) Medicated
 Elmore Turkey Growing Mash
 Elmore Turkey Growing Mash (1A) Medicated
 Elmore Turkey Growing Mash (1S) Medicated
 Elmore Turkey Starting Mash (1A) Medicated
 Elmore Turkey Starting Mash (1S) Medicated

Erie Alfalfa Mills Inc., Erie, Mich.

Leafy Erie Brand Dehydrated Alfalfa Meal

John W. Eshelman & Sons, Lancaster, Pa.

Conestoga 18 Dairy Feed
 Lancaster 16 Dairy Feed
 Lancaster Scratch Grains
 Pennsy 16 Dairy Feed
 Pennsy Laying Mash
 Red Rose Breeder Mash
 Red Rose Broiler Finisher (High Efficiency) Medicated (115)
 Red Rose Broiler Finisher (High Efficiency) Medicated (115-A)
 Red Rose Broiler Starter Ration (High Efficiency) Medicated—Nicarbazin & 3-Nitro
 Red Rose Calf Grower
 Red Rose Calf Starter
 Red Rose Cattle Wormer
 Red Rose Chick Grains
 Red Rose Chick Starter Medicated—3-Nitro
 Red Rose Chick Starter Medicated—Nicarbazin & 3-Nitro
 Red Rose Complete Breeder Ration
 Red Rose Complete Game Bird Grower

John W. Eshelman & Sons, Lancaster, Pa.—Cont.

Red Rose Complete Growing Ration
 Red Rose Complete Laying Ration
 Red Rose Complete Turkey Finisher
 Red Rose Complete Turkey Grower
 Red Rose 16 Dairy Feed
 Red Rose 18 Dairy Feed
 Red Rose 24 Dairy Feed
 Red Rose 32% Dairy Supplement
 Red Rose Duck Grower & Breeder
 Red Rose Fattening Mash
 Red Rose Fitting Ration
 Red Rose Goat Ration
 Red Rose Ground Corn & Oats
 Red Rose Growing Mash
 Red Rose Hog Meal
 Red Rose Horse Feed
 Red Rose Intermediate Chick Grains
 Red Rose Laying Mash
 Red Rose Milk Replacer
 Red Rose Pigeon Feed
 Red Rose Pig & Sow Meal
 Red Rose Poultry Booster Pellets
 Red Rose 36% Poultry Supplement
 Red Rose Rabbit Pellets
 Red Rose Rabbit Pellets Medicated—Sulfaquinoxaline
 Red Rose Scratch Grains
 Red Rose Starter & Grower
 Red Rose Starter & Grower Medicated—Nicarbazin
 Red Rose 14 Test Cow Feed
 Red Rose Turkey & Poultry Fitting Feed
 Red Rose Turkey Starter
 S-O-S

Evans Milling Co., 1730 W. Michigan St., Indianapolis, Ind.

Emco Hominy Feed

FMS Incorporated, Thomasville, Pa.

FMS—A food for baby animals

Fairmont Foods Co. Inc., 197 Scott St., Buffalo 4, N. Y.

Fairmont's Better Brand Condensed Buttermilk

Farm Bureau Association, 155 Lexington St., Waltham, Mass.

Farm Bureau Chick Starter Mash with Sulfaquinoxaline
 Farm Bureau Complete Developer Mash
 Farm Bureau Complete Market Egg Mash or Pellets
 Farm Bureau 16% Dairy Ration
 Farm Bureau 20% Dairy Ration
 Farm Bureau Developer Mash
 Farm Bureau Market Egg Mash or Pellets
 Farm Bureau 14% Milking Ration
 Farm Bureau Rabbit Food Pellets
 Farm Bureau Wheat Standard Middlings

Farm Bureau Cooperative Ass'n., 245 No. High St., Columbus 16, Ohio

Dehydrated Alfalfa Meal

Farmers Feed Co., 375 Johnson Ave., Brooklyn 6, N. Y.

"Bull Brand" Brewers Dried Grains
 Dried Citrus Pulp

Fish Products Co., Lewes, Del.

Smith's Lifeline Brand Fish Meal

Fishel Products Co., P. O. Box 66, Kingsburg, Calif.
Amburgo Supertrate

Florida Citrus Canners Cooperative, Lake Wales, Fla.
Lake Wales Brand Citrus Pulp

Flory Milling Co., N. Main St., Bangor, Pa.

Flory 22% Chick Starter (N) Medicated
Flory Cracked Corn Scratch
Flory Horse Feed
Flory 20% Layer
Flory Medicated Stim-U-Lets
Flory Poultry Wormer
Flory Record 16% Dairy Feed
Flory Special Scratch Feed (Cracked Corn)

The Fox Co., Newfield, N. J.

(See also *Vitamin Carriers*)
Foxco Flavitein

Fruit Industries, Bradenton, Fla.

Tropicana's Sweetest Dried Citrus Pulp

General Foods Corp., Corn Mill Div., 180 So. Dearborn Ave., Kankakee, Ill.
Burt's Hominy Feed

General Mills, Inc., 9200 Wayzata Blvd., Minneapolis 26, Minn.

Arlington Wheat Second Clear
Ben Hur Wheat Bran & Ground Wheat Screenings
Ben Hur Wheat Standard Middlings & Ground Wheat Screenings
General Mills 44% Protein Solvent Extracted (Hexane) Soybean Oil Meal
General Mills 50% Protein Extracted Soybean Oil Meal
Gold Medal Wheat Germ Meal Type A
Oven Tailings
Washburn's Gold Medal Fancy Wheat Flour Middlings & Ground Wheat Screenings Not Exceeding Mill Run
Washburn's Gold Medal Fancy Wheat Mixed Feed with Ground Wheat Screenings Not Exceeding Mill Run
Washburn's Gold Medal Wheat Adrian Red Dog
Washburn's Gold Medal Wheat Bran & Ground Wheat Screenings Not Exceeding Mill Run
Washburn's Gold Medal Wheat Standard Middlings & Ground Wheat Screenings Not Exceeding Mill Run

General Mills, Inc., Larro Region, 15800 W. McNichols Rd., Detroit 35, Mich.

Gold Medal Stock Champ
Larro All Purpose Poultry Wormer
Larro Cadmium Hog Wormer
Larro Chick Grains
Larro Chick Wormer
Larro .0022 Diethylstilbestrol Mix in SureBeef 50
Larro Diethylstilbestrol Mix in SureCattle 32
Larro Medicated Poultry SureLift
Larro Medicated SureLift
Larro Medicated SureMilk Keto-Kurb
Larro Medicated SurePoult Pre-Starter (FRZ-AGS)
Larro Medicated SurePoult Pre-Starter (SQ-FRZ-AGS)
Larro Medicated SureTurk Grower Complete (.33 ENH)
Larro Nicarbazin with Arsonic Growth Stimulant in SureBroiler Starter
Larro Poultry SureHatch 38
Larro Poultry SureHatch Complete "H-E"
Larro Poultry SureHatch "H-E"
Larro 12% Protein SurePasture Balancer
Larro Scratch Grains
Larro SureBeef 50

General Mills, Inc., Larrowe Region, 15800 W. McNichols Rd., Detroit 35, Mich.—Cont.

Larro SureBroiler 42
 Larro SureBroiler 42 (NCB-AGS) Medicated
 Larro SureBroiler Finisher 23
 Larro SureBroiler Finisher 23 (AGS) Medicated
 Larro SureBroiler Finisher 23 (NCB-AGS) Medicated
 Larro SureBroiler Finisher 23-X
 Larro SureBroiler Finisher 23-X (AGS) Medicated
 Larro SureBroiler Finisher 23-X (NCB-AGS) Medicated
 Larro SureBroiler Starter 26 (AGS) Medicated
 Larro SureBroiler Starter 26 (NCB-AGS) Medicated
 Larro SureBroiler Starter 26-X (AGS) Medicated
 Larro SureBroiler Starter 26-X (NCB-AGS) Medicated
 Larro SureCalf
 Larro SureCalf Mixer
 Larro SureCattle 32
 Larro SureChick
 Larro SureChick (NCB) Medicated
 Larro SureFat No. 1
 Larro SureGrow Complete "H-E"
 Larro SureGrow Complete "H-E" (NCB) Medicated
 Larro SureLay 26
 Larro SureLay 38
 Larro SureLay Cage
 Larro SureLay Complete "H-E"
 Larro SureLay "H-E"
 Larro SureMilk 14
 Larro SureMilk 16
 Larro SureMilk 20
 Larro SureMilk 32
 Larro SureMilk 50
 Larro SurePig (AGS) Medicated
 Larro SurePork 35
 Larro SurePork 40
 Larro SurePork Complete (AGS) Medicated
 Larro SurePork Super 40
 Larro SurePoult
 Larro SurePoult 38
 Larro SurePoult (.15 ENH) Medicated
 Larro SurePoult (SQ) Medicated
 Larro SurePoult Pre-Starter (AGS) Medicated
 Larro SureRabbit
 Larro SureRaise Medicated
 Larro SureStart Medicated
 Larro SureTurk
 Larro SureTurk (.2 ENH) Medicated
 Larro SureTurk 38
 Larro SureTurk Finisher Complete
 Larro SureTurk Fryer Complete
 Larro SureTurk Grower Complete
 Larro Turkey SureHatch
 Larro Turkey SureHatch Complete
 Larro Wormer

The Glidden Co., Chemurgy Div., 1825 N. Laramie Ave., Chicago, Ill.

Glidden Hi Prosoy 50% Protein Solvent Extracted Soybean Oil Meal
 44% Protein Solvent Extracted Soybean Oil Meal

Gloucester By-Products, Inc., State Fish Pier, Gloucester, Mass.

Globpro Brand Fish Meal

Goldenrod Oil Meal Sales Co., Memphis, Tenn.

Goldenrod Brand 41% Protein Cottonseed Meal—Prime Quality

Gooderham & Worts Ltd., Toronto, Canada

Registered by Riverside Elevator Co., Detroit, Mich.

Corn Distiller's Dried Grains

Gorton's of Gloucester, Inc., 327 Main St., Gloucester, Mass.

(See also Vitamin Carriers)

Gorton's A1-Blend "Junior"

Gorton's A1-Blend "Senior"

Grace Chemical Co., Div. of W. R. Grace & Co., Box 4906, Memphis, Tenn.

Grace Micro Prilled Urea Feed Compound

Grain Processing Corp., 1600 Oregon St., Muscatine, Iowa

"Port City" Corn Distillers Dried Grains with Solubles

Grandin Brothers Corporation, Jamestown, N. Y.

Grandin's Start-To-Finish Mash

The Great Atlantic & Pacific Tea Co., 817 Andrus Bldg., Minneapolis, Minn.

Daily Egg Laying Mash

Daily Growth Chick Starter

Daily Growth Fine Chick Feed

Daily Growth Growing Mash

The Great Western Sugar Co., 1530 Sixteenth St., Denver, Colo.

GW Dried Beet Pulp

GW Dried Beet Pulp & Condensed Beet Solubles Product Neutralized with Ammonia

Green Acres Farms, Nazareth, Pa.

Green Acre's Brand 17% Dehydrated Alfalfa Meal

Green Acre's Brand 17% Dehydrated Alfalfa Meal with 1% Stabilized Animal Fat Added

Haffenreffer & Co., Inc., 30 Germania St., Boston 30, Mass.

Haffenreffer & Company's Brewers' Dried Yeast

Hales & Hunter Co., 141 W. Jackson Blvd., Chicago, Ill.

Gold Flake 16 Dairy

Pioneer Beef Fitting Ration

Pioneer Bull Feed

Pioneer Calf Starter

Pioneer Dairy Fitting Feed

Pioneer Dairy Pellets 16

Pioneer Dairy Pellets 18

Pioneer Dairy Production 16

Pioneer Dairy Production 18

Pioneer Dry & Freshening

Pioneer Greeno

Pioneer Horse Feed

Pioneer Milk Replacer

Pioneer Pelleted Flaked 15 Dairy

Pioneer Pelleted Flaked 18 Dairy

Pioneer Rabbit Pellets

Pioneer Sup-Pel Pellets

Red Comb All Mash Breeder

Red Comb All Mash Grower

Red Comb All Mash Layer

Red Comb Breeder Mash

Red Comb Broiler Finisher

Red Comb Broiler Starter

Red Comb Broiler Starter Z3 Medicated

Red Comb Broiler Station Fattener

Red Comb C Flakes

Hales & Hunter Co., 141 W. Jackson Blvd., Chicago, Ill.—Cont.

Red Comb Chick Starter
Red Comb Crate Fattener
Red Comb Duck Grower
Red Comb Duck Starter
Red Comb Egg Mash
Red Comb Fine Chick
Red Comb Growing Mash
Red Comb Poultry Flesher
Red Comb Scratch Feed
Red Comb Turkey Finisher
Red Comb Turkey Grower
Red Comb Turkey Starter

A. E. Hall, Wallingford, Conn.

Hall's Growing Mash
Hall's Hi-Lo Starter & Broiler
Hall's Laying Mash

Harper Feed Mills, Inc., Washington, Pa.

Green Pasture Coarse 16% Dairy Feed
Harco Station Fattener Pellets
Hominy Feed
Top Profit 16% Dairy Feed
Warren's Complete Laying Mash (*Mfd. for William S. Warren & Son, Eastford, Conn.*)
Warren's 20% Laying Mash (*Mfd. for William S. Warren & Son, Eastford, Conn.*)

H. P. Hood & Sons, Inc., Wilson St., Dunedin, Fla.

Hood Citrus Meal
Hood Citrus Pulp

H. P. Hood & Sons, Inc., 500 Rutherford Ave., Boston 29, Mass.

Dried Skimmed Milk
Hood's Calf Starter
Pep-Lac
Powdered Skim Milk

The Hubinger Co., Keokuk, Iowa

Ke OK uk Brand Corn Gluten Meal
Ke OK uk 21% Protein Corn Gluten Feed

Illinois Cereal Mills, Inc., So. Jefferson Ave., Paris, Ill.

Hominy Feed

International Milling Co., 1200 Investors Bldg., Minneapolis, Minn.

Blackhawk Wheat Bran with Ground Mixed Screenings not Exceeding 8%
Blackhawk Wheat Standard Middlings with Ground Mixed Screenings not Exceeding Mill Run
Target Wheat Reddog

Herman Isacs, Inc., Bridgeport, Conn.

Hi Test Meat & Bone Scrap

Mead Johnson & Co., 2040 W. Pennsylvania St., Evansville, Ind.

XT-No. 58

Kellogg Sales Company, Battle Creek, Mich.

Kellogg's Hominy Feed
Kellogg's No. 1007 Mink Mix
Kellogg's No. 1001 Mink Ration

Spencer Kellogg & Sons, Inc., 98 Delaware Ave., Buffalo 5, N. Y.

Spencer Kellogg's 50% Protein Dehulled Soybean Oil Meal-Solvent Extracted
Spencer Kellogg's 32% Protein Old Process (Expeller) Linseed Oil Meal
Spencer Kellogg's 44% Protein Toasted Soybean Oil Meal-Solvent Extracted

Kennel Food Supply, 63 Mill Hill Terrace, Fairfield, Conn.
KFS Rabbit Pellets

Julius Kessler Distilling Co., Inc., Louisville, Ky.
Kessler Corn Distillers Dried Solubles

Keystone Dehydrators, R. D. No. 1, Nazareth, Pa.
Keystone Super-Green Dehydrated Alfalfa Meal

Kraft Foods Co., 99 Park Ave., New York, N. Y.
G-AN-EN
Kraco Dried Whole Whey
Kraylets
Kraylets Plus 2

Chas. A. Krause Milling Co., 404 E. State St., Milwaukee 1, Wis.
Badger Yellow Hominy Feed

Kuder Pulp Sales Co., Lake Alfred, Fla.
Kuder Dried Citrus Pulp, High Sugar
Kuder Dried Citrus Pulp, High Sugar, Late Production

Lakes State Yeast Corp., Rhinelander, Wis.
Dried Torula Yeast

Lauhoff Grain Co., 321 E. North St., Danville, Ill.
Vermilion Hominy Feed

Lauhoff Soya Co., Danville, Ill.
44% Protein Solvent Extracted Soybean Oil Meal

Libby, McNeill & Libby, 4134 S. Packers Ave., Chicago, Ill.
Headliner Brand Dried Citrus Pulp

The Libner Grain Co., 25 Commerce St., Norwalk, Conn.
Libner's Blue Ribbon Conn. Standard Chick Starter Ration
Libner's Blue Ribbon 16% Dairy Ration
Libner's Blue Ribbon 12% Fitting Ration
Libner's Blue Ribbon Growing Mash
Libner's Blue Ribbon Horse & Calf Ration
Libner's Blue Ribbon Milk Egg Mash
Libner's 20% Milkflow Dairy Ration

Lincoln Mills, Inc., 1203 W. 23rd St., Indianapolis, Ind.
Pulverized Lincoln Oats Containing Wheat and Barley

Long Hill Feed Store, Long Hill, Conn.
Improved Square Deal Dairy Ration

L. B. Lovitt & Co., 314 Cotton Exchange Bldg., Memphis, Tenn.
"LOVIT BRAND" 41% Protein Cottonseed Meal

McCabe Grain Co. Limited, 409 Grain Exchange Bldg., Winnipeg, Canada
Mixed Screenings

McMillen Feed Mills, Div. of Central Soya Co. Inc., 300 Ft. Wayne Bank Bldg., Ft. Wayne, Ind.

Master Mix Baby Pig Creep (51B) Medicated
Master Mix Beef Concentrate
Master Mix Beef Sweets
Master Mix Broiler Finisher
Master Mix Broiler Finisher (77A) Medicated
Master Mix Broiler Mash (77B) Medicated
Master Mix Bulky Feed
Master Mix Calflac

**McMillen Feed Mills, Div. of Central Soya Co. Inc., 300 Ft. Wayne Bank Bldg.,
Ft. Wayne, Ind.—Cont.**

Master Mix Cattle & Sheep Wormer (27A) Medicated
 Master Mix 12% Cattle Sweets
 Master Mix Chick Concentrate
 Master Mix Chick Scratch Feed
 Master Mix Complete Calf-Mix
 Master Mix Complete Rabbit Pellets
 Master Mix Complete Turkey Finisher
 Master Mix 16% Dairy Feed
 Master Mix 20% Dairy Feed
 Master Mix Egg Concentrate
 Master Mix Egglac Pellets
 Master Mix Egg Mash
 Master Mix Fitting Feed
 Master Mix Free Choice Poultry Concentrate
 Master Mix Hi-Calorie All Mash Layer
 Master Mix Hi-Calorie Broiler Concentrate
 Master Mix Hi-Calorie Broiler Concentrate (77C) Medicated
 Master Mix Hi-Calorie Broiler Finisher
 Master Mix Hi-Calorie Broiler Finisher (77A) Medicated
 Master Mix Hi-Calorie Cage Layer Ration
 Master Mix Hi-Calorie 17% Egglac Pellets
 Master Mix Hi-Calorie Finisher Concentrate
 Master Mix Hi-Calorie Finisher Concentrate (77D) Medicated
 Master Mix Hi-Calorie Poult Starter (83A) Medicated
 Master Mix Hi-Calorie Turkey Grower Concentrate
 Master Mix 35% Hog Concentrate
 Master Mix 40% Hog Concentrate
 Master Mix Horse Feed
 Master Mix Layer Concentrate
 Master Mix Master Blend Dairy Concentrate
 Master Mix Medicated Cattle Bio (41F)
 Master Mix Pig Concentrate
 Master Mix Pig Concentrate (12C) Medicated
 Master Mix Pig-Ets (01A) Medicated
 Master Mix Pig-Ets (52A) Medicated
 Master Mix Prime Finisher (71A) Medicated
 Master Mix Prime Finisher (77A) Medicated
 Master Mix Pullet Grower
 Master Mix Range Punches
 Master Mix Sow & Pig Concentrate
 Master Mix 32% Steer Mixer
 Master Mix Sweet 16% Dairy
 Master Mix Turkey Broiler Finisher (11A) Medicated Histostat
 Master Mix Turkey Grower
 Master Soy (Soybean Oil Meal. Minerals & Molasses)

The McNeal Edwards Co., Inc., Reedville, Va.

Registered by Derby Feed Store, Derby, Conn.

Menhaden Fish Meal

A. S. MacDonald Commission Co., 106 Grain & Flour Exchange, Boston 9, Mass.

Parrheim Pure Wheat Bran (Mfd. by Parrish & Heimbecker, Ltd., 43 Scott St.,
Toronto, Canada)

Parrheim Pure Wheat Shorts (Mfd. by Parrish & Heimbecker, Ltd., 43 Scott St.,
Toronto, Canada)

Shorts (Mfd. by Almonte Flour Mills Ltd., Almonte, Canada)

Machnicki's Grain Store, Canal St., Jewett City, Conn.

Machnicki's Broiler Mash Medicated

Machnicki's Hi Calorie Broiler Finisher Medicated

Machnicki's Hi-Energy All-Mash Layer

Maple Leaf Milling Co., Ltd., Toronto, Canada

Registered by Chas. M. Cox Co., Boston, Mass.

Maple Leaf Shorts

Rex Wheat Bran

Rex Wheat Middlings

Registered by Sunset Feed & Grain Co., Inc., Buffalo, N. Y.

Yellow Hominy Feed

Maritime Milling Co., Inc., 1009 Chamber of Commerce Bldg., Buffalo 2, N. Y.

B-B Bull Brand "16" Dairy Ration

B-B Complete Laying Ration

B-B Maco Breeder Mash

Ma-Co Broiler Finishing Ration Medicated 810 3Ni

Ma-Co Broiler Finishing Ration Medicated 810 3NiC

Ma-Co Broiler Ration Medicated 800 3NiC

Ma-Co Complete Breeder Ration

Ma-Co Complete Chick Starter Ration Medicated 805 3Ni

Ma-Co Complete Chick Starter Ration Medicated 805 3NiB

Ma-Co Complete Growing Ration

Ma-Co Complete Growing Ration Medicated 815-B

Ma-Co Complete Laying Ration

Ma-Co Complete Turkey Breeder Ration Medicated 910 4Ni-.025

Ma-Co Complete Turkey Growing Ration Medicated 905 4Ni-.025

Ma-Co Complete Turkey Starter Ration Medicated 900 S1

Ma-Co Medicated Broiler Ration 800 3 NiCA-100

Ma-Co Medicated Broiler Ration 800 3 NiCA-300

Ma-Co Medicated Stress-Aid Ration 970-A100

Ma-Co Medicated Stress-Aid Ration 970-A100F

Ma-Co Medicated Stress-Aid Ration 970 A200F

Ma-Co Medicated Stress-Aid Ration 970 A300

Scratch Feed

Meech & Stoddard, Inc., 76 No. Main St., Middletown, Conn.

M & S Economy Dairy Feed

Red Wing Calf Starter & Grower

Red Wing 15% Dairy Feed

Red Wing Fitting Ration

Red Wing Growing Mash

Red Wing Horse Feed

Red Wing Laying Mash

Red Wing Pig & Hog Feed

Red Wing Starting Mash

Red Wing Stock Feed

Special Balance Growing Mash

Special Balance High Efficiency Complete Growing Mash

Special Balance High Efficiency Complete Laying Mash

Special Balance High Efficiency Starter & Broiler Mash Medicated

Special Balance Laying Mash

Special Balance Needy-Pen Antibiotic Laying Mash

Special Balance Starting Mash

Special Balance Starting Mash Medicated

The Merchants Creamery Co., 536 Livingston St., Cincinnati, Ohio

Blue Ribbon Special

Geo. J. Meyer Malt & Grain Corp., 1314 Niagara St., Buffalo, N. Y.

Malt Sprouts

Miller Alfalfa Co., Jackson & Gorman Sts., Defiance, Ohio

Miller's Brand 15% Dehydrated Alfalfa Meal

Miller's Choice Brand 17% Dehydrated Alfalfa Meal

Miner-Hillard Milling Co., Wilkes Barre, Pa.

Choice Steam Cooked Hominy Feed

M-H Dairy Feed 18%

Minute Maid Corp., P. O. Box 720, Leesburg, Fla.
Golden Isle Citrus Pulp

Molson's Brewery, Ltd., Montreal, Canada
Molson's Dried Brewers' Grain

Montmorency Distillery Ltd., Beaupre, Canada
Corn Distillers Dried Grains

Geo. Q. Moon & Co. Inc., Binghamton, N. Y.

Moon Baby Chick Grains
Moon Complete Growing Mash
Moon Complete Laying Mash
Moon Complete Starter & Broiler Mash
Moon 16% Dairy Ration
Moon Dairy Fitting Ration
Moon Growing Mash
Moon Hog Feed
Moon Horse Feed
Moon Laying Mash
Moon Rabbit Pellets
Moon Scratch Feed
Moon Starter Mash
Moon Super Laying Mash
Moon 16% Test Ration

Fred C. Morse & Son, Guilford, Conn.

Old Mill 16% Dairy Feed
Old Mill Fitting Feed
Old Mill Growing Mash
Old Mill Growing Mash (with Nicarbazin)
Old Mill Hi-Calorie Broiler Finisher (with Nicarbazin)
Old Mill Hi-Calorie Broiler Mash (with Nicarbazin)
Old Mill Hi-Calorie Complete Layer
Old Mill High-Energy Laying Mash
Old Mill Laying Mash
Old Mill Rabbit Pellets
Old Mill Starting Mash (with Nicarbazin)
Old Mill Turkey Grower (with Sulfaquinoxaline .0175%)

Mowat, Wilson & Co., 18675 James Couzens Highway, Detroit 35, Mich.
Dried Beet Pulp
Dried Beet Pulp and Feeding Beet Molasses

Nappanee Milling Co., Inc., Nappanee, Ind.
Hominy Feed

National Alfalfa Dehydrating & Milling Co., Lamar, Colo.

Jack Rabbit 15% Protein Dehydrated Alfalfa Meal
Jack Rabbit 17% Protein Dehydrated Alfalfa Meal
Jack Rabbit 20% Protein Dehydrated Alfalfa Leaf Granules
National 20% Broiler Meal Dehydrated Alfalfa
Vita Greens Alfalfa Meal Dehydrated

National Biscuit Co., 2221 Front St., Toledo, Ohio
Namico
Pure Wheat Bran

**National Distillers Products Co., Div. of National Distillers & Chemical Corp.,
99 Park Ave., New York 16, N. Y.**
Corn Distillers Dried Grains
Nadrisol Brand Corn Distillers Dried Solubles
Produlac Brand Corn Distillers Dried Solubles with Grains

National Foods, Inc., 1224 W. 23rd St., Indianapolis, Ind.
Pulverized Feed Oats

National Vitamin Products Co., 3401 Hiawatha Ave. So., Minneapolis 6, Minn.
(See also *Vitamin Carriers*)
Calvita (Trade Mark Reg.) Calf Formula

Neumond, Inc., 300 Merchants Exchange, St. Louis, Mo.
Neumond's 26% Brewers Dried Grains
Standard's 13% Suncured Steamed Dairy Cut Alfalfa

Newton Concentrates, P. O. Box 430, Albany 1, N. Y.
Newton Bovine Concentrate (Sweet Fourteen)
Newton Bovine Concentrates (Sweet Super)
Newton Bovine Fitting & Fattening Concentrates
Newton Bovine (Super) Concentrates
Newton Green Roughage Concentrates

Nopco Chemical Co., Harrison, N. J.
(See also *Vitamin Carriers*)
Nopco-Pak
Nopco-Pak Hi-Lay Premix
Nopco-Pak Super Premix
Nopdex "3000"

Northern Ohio Sugar Co., 1530 Sixteenth St., Denver, Colo.
GW Dried Beet Pulp

Ogden Grain Co., Utica, N. Y.
Ogden Complete Chick Starter
Ogden Complete Layer
Ogden 16% Dairy Feed
Ogden Fitting Ration
Ogden Growing Mash
Ogden Hi Energy Growing Mash
Ogden Hi Energy Laying Mash
Ogden Hi Energy Starter & Broiler Medicated
Ogden Hi Energy Starter & Broiler Medicated with AR only
Ogden Horse Feed
Ogden Laying Mash
Ogden Medicated Mash
Ogden Rabbit Pellets
Ogden Super Hi Energy Laying Mash
Ogden Super Pig Ration
Ogden U-T-K Sweet 16%

Ogilvie Flour Mills Co. Ltd., Montreal, Canada
Ground Flax Screenings
Ogilvie Wheat Bran

Pabst Brewing Co., 310 Merchandise Mart, Chicago 54, Ill.
Pabst Blue Ribbon Brewers Dried Grains
Pabst Yellow Hominy Feed

Park & Pollard Co., 100 S. Elmwood Ave., Buffalo, N. Y.
Hi-Power 20% Broiler Ration Medicated
Hi-Prime Complete Turkey Finisher
Hi-Prime Complete Turkey Finisher Medicated
Hi-Prime Complete Turkey Grower
Hi-Prime Complete Turkey Grower 330H Medicated
Hi-Prime Turkey Fitting Ration
Hi-Prime Turkey Starter Medicated (.025 4-Nitro Compound)
Hi-Prime Turkey Starter Medicated (.0175% Sulfaquinoxaline)
Lay or Bust All Mash Breeder
Lay or Bust Chick Starter Medicated

Park & Pollard Co., 100 S. Elmwood Ave., Buffalo, N. Y.—Cont.

Lay or Bust Egg Mash
 Lay or Bust Fleshing Pellets
 Lay or Bust Growing Feed
 Lay or Bust Growing Feed Medicated
 Lay or Bust Hi-Valu Pellets
 Medicated Lay or Bust T.N.T.
 Milk Maid Bulky Sweet Dairy
 Milk Maid Calf Starter
 Milk Maid 16% Dairy Ration
 Milk Maid 20% Dairy Ration
 Milk Maid Dri-Fresh Ration
 Milk Maid Fitting Ration
 Milk Maid Sheep & Goat Feed
 Milk Maid 14% Test Ration
 Milk Maid 18% Test Ration
 Park & Pollard Complete Chick Starter Medicated 225B
 Park & Pollard Complete Grower
 Park & Pollard Complete Grower Medicated 230B
 Park & Pollard Complete Layer
 Park & Pollard 16% Dairy
 Park & Pollard Go-Tu-It Pig Grower
 Park & Pollard Go-Tu-It Pig Starter
 Park & Pollard Growing Feed
 Park & Pollard Hi-Speed Horse Feed
 Park & Pollard Laying Mash
 Park & Pollard Rabbit Pellets
 Park & Pollard Stock Feed
 Phenothiazine & Nicotine Mixture Inc. in Lay or Bust D Wormer
 Red Ribbon 16% Dairy Ration

Pasco Packing Co., Dade City, Fla.

Sugar Sweet Citrus Meal
 Sugar Sweet Citrus Pulp

Patent Cereals Co., Geneva, N. Y.

Hominy Feed

Penick & Ford Ltd. Inc., Cedar Rapids, Iowa

21% Protein Douglas Corn Gluten Feed

Pennsylvania Hide & Rendering Co., Div. of Van Iderstine Co., 917 Middle St. Scranton, Pa.

Pennsylvania Meat & Bone Scraps

Perrysburg Alfalfa Mills, Inc., Perrysburg, Ohio

17% Dehydrated Alfalfa Meal

Pet Milk Co., 1401 Arcade Bldg., St. Louis, Mo.

Pet Brand Dry Skimmed Milk

The Philadelphia Seed Co., Inc., Arch & Front Sts., Philadelphia, Pa.

Pigeonets by Purgrain

Pierce Feed Co., Inc., Brooklyn, Conn.

3-Nitro and Sulfaquinoxaline in Pierce 20% Starter Mash
 Pierce Complete Breeder
 Pierce Complete Gro-N-Lay
 Pierce Special Breeder
 Pierce Special Broiler
 Pierce Special Broiler Medicated
 Pierce Special Gro-N-Lay
 Pierce 20% Starter
 Pierce Sulfaquinoxaline Mix—Mixed with Pierce Complete Gro-N-Lay

Pillsbury Mills, Inc., Minneapolis, Minn.

Pillsbury's Amazon Second
Pillsbury's XX Daisy
Pillsbury's Hard Wheat A Middlings with Ground Wheat Screenings not Exceeding Mill Run
Pillsbury's Hard Wheat Bran with Ground Wheat Screenings not Exceeding Mill Run
Pillsbury's Fancy Wheat Mixed Feed with Ground Wheat Screenings not Exceeding Mill Run
Pillsbury's Wheat Germ Meal
Pillsbury's Wheat Standard Middlings with Ground Wheat Screenings not Exceeding Mill Run

Pillsbury of Canada Ltd., Midland, Canada

Dandy Wheat Bran
Dandy Wheat Shorts

Pittsburgh Brewing Co., Pittsburgh 1, Pa.

Iron City Brewers Dried Grains

R. C. Pratt & Co. Ltd., 18 Toronto St., Toronto, Canada

Ruler Brand Pure Wheat Bran

Purity Flour Mills Ltd., Calgary, Canada

Registered by Chas. M. Cox Co., Boston, Mass.

Pioneer Bran

The Quaker Oats Co., Merchandise Mart Plaza, Chicago, Ill.

Bell Cow Wheat Bran
Bell Cow Wheat Shorts
Feeding Oat Groats
Feeding Steel Cut Oat Groats
Ful-O-Pep Broiler Mash (AG2)
Ful-O-Pep Broiler Pre-Starter (AG2)
Ful-O-Pep Broiler Pre-Starter (C2)
Ful-O-Pep Broiler (Roaster) Finisher (A3G4)
Ful-O-Pep Bulky Boss
Ful-O-Pep Cage Layer Ration
Ful-O-Pep Calf Starter
Ful-O-Pep Chick Starter
Ful-O-Pep Chick Starter (BC) Medicated
Ful-O-Pep Chick Starter (G2) Medicated
Ful-O-Pep Crate Fattener
Ful-O-Pep 32% Dairy Concentrate
Ful-O-Pep 40% Dairy Concentrate
Ful-O-Pep Derwood Horse Crunch
Ful-O-Pep Diethylstilbestrol Mixture for Fattening Beef Cattle
Ful-O-Pep Egg-Breeder Mash
Ful-O-Pep Egg-Breeder Ration
Ful-O-Pep Egg Mash
Ful-O-Pep Egg Ration
Ful-O-Pep Fattening Feed Pellets (Special)
Ful-O-Pep Fine Chick Grains
Ful-O-Pep Fitting Feed
Ful-O-Pep Goat Feed
Ful-O-Pep Gro-Pork (280K) Medicated
Ful-O-Pep Growing Mash
Ful-O-Pep Growing Mash (B3C6) Medicated
Ful-O-Pep Growing Mash (G3) Medicated
Ful-O-Pep Growing Ration
Ful-O-Pep Growing Ration (BC) Medicated
Ful-O-Pep Growing Ration (G2) Medicated
Ful-O-Pep High Sweet Blend
Ful-O-Pep Horse Feed
Ful-O-Pep Laying Mash

The Quaker Oats Co., Merchandise Mart Plaza, Chicago, Ill.—Cont.

Ful-O-Pep Laying Ration
 Ful-O-Pep Medicated Broiler Bracer (C2D1)
 Ful-O-Pep Medicated Super Greens Pellets (C2D1)
 Ful-O-Pep Milking Feed
 Ful-O-Pep Pig-N-Sow Ration
 Ful-O-Pep Pig Starter
 Ful-O-Pep Pork Ration (A Complete Hog Feed)
 Ful-O-Pep Pro-Sweet Supplement
 Ful-O-Pep Rabbit Ration
 Ful-O-Pep Super Broiler Mash (AG2) Medicated
 Ful-O-Pep Super Broiler Pre-Starter (AG2) Medicated
 Ful-O-Pep Super Cage Layer (A) Medicated
 Ful-O-Pep Super Egg Breeder Ration (A) Medicated
 Ful-O-Pep Super Greens Pellets
 Ful-O-Pep Super Laying Mash (A3) Medicated
 Ful-O-Pep Super Laying Ration (A) Medicated
 Ful-O-Pep Sweet 16 Dairy Feed
 Ful-O-Pep Turkey Breeder
 Ful-O-Pep 17% Turkey Broiler Finisher Ration
 Ful-O-Pep Turkey Finisher Ration
 Ful-O-Pep 26% Turkey Grower
 Ful-O-Pep 20% Turkey Grower Ration
 Ful-O-Pep Turkey Starter
 Ful-O-Pep Turkey Starter (E1) Medicated
 Q. O. Roughage Feed
 Quaker Sugared Schumacher Feed
 Sugared Vim Feed
 Peterborough Oat Mill By-Product
 Victor Steamed Rolled Oats
 Vim Oat Meal By-Product
 Yellow Hominy Feed

Ralston Purina Co., 835 S. Eighth St., St. Louis, Mo.

Brewers' Dried Grains
 Corn & Oat Provender
 Corn Distillers Dried Grains
 Corn Feed Meal
 Corn Gluten Feed
 Dairy Premix 36%
 Hominy Feed
 Mixed Screenings
 Northeastern Scratch Feed
 Northeastern Scratch Feed (For Pullets)
 34% Protein (Expeller Process) Linseed Oil Meal
 41% Protein Solvent Extracted Cottonseed Meal
 44% Protein Solvent Extracted Soybean Oil Meal
 Purina B & M Cow Chow
 Purina B & M Cow Chow D
 Purina Baby Pig Chow Medicated
 Purina Baby Pig Chow F Medicated
 Purina Breeder Lay Chow E
 Purina Breeder Lay Chow S
 Purina Breeder Layena (Complete Ration) E
 Purina Broiler Chow E Medicated
 Purina Broiler Chow E 3 NC Medicated
 Purina Broiler Chow Finisher E (Non)
 Purina Broiler Chow Finisher (B) 3 NC AB No. 2 Medicated
 Purina Broiler Chow Finisher E Medicated
 Purina Broiler Chow Finisher (E) 3 AB
 Purina Broiler Chow Finisher (E) 3 NC Medicated
 Purina Broiler Chow Finisher (E) 3 NC No. 2 Medicated
 Purina Broiler Chow Finisher (E) 3 NC AB
 Purina Broiler Chow Starter (B) AB 3 NC No. 2 Medicated
 Purina Broiler Chow Starter E Medicated

Ralston Purina Co., 835 S. Eighth St., St. Louis, Mo.—Cont.

Purina Broiler Chow Starter (E) AB 3 NC Medicated
Purina Broiler Chow Starter (E) 3 NC
Purina Broiler Chow Starter (E) 3 NC No. 2 Medicated
Purina Broiler Fattener E
Purina Bulky Las
Purina Calf Startena E
Purina Chek-R-Ton Granules E
Purina Chick Chow (Coarse)
Purina Chick Chow (Fine)
Purina Chick Growena E
Purina Chick Growena (E) NC Medicated
Purina Chick Growing Chow E
Purina Complete Sow & Pig Chow E
Purina Cow Chow 14%
Purina Cow Chow 16% (Coarse)
Purina Cow Chow Concentrate
Purina Cow Chow 16% (Fine)
Purina Cow Chow D 16%
Purina Cow Chow D 18%
Purina Cow Chow D 20%
Purina Cow Chow Supplement
Purina D & F Chow
Purina 14% Dairy Chow E
Purina 16% Dairy Chow E
Purina 18% Dairy Chow E
Purina Dienestrol Diacetate and Nicarbazine Mixture
Purina Dienestrol Diacetate and 3-Nitro
Purina Dienestrol Diacetate and 3-Nitro and Nicarb
Purina .0011% Diethylstilbestrol Mix in Purina Special Steer Fatena 32% (5S)
Purina Duck Breeder Layena E
Purina Duck Growena E
Purina Duck Startena E
Purina Egg Chow E
Purina Eggena E
Purina Fitting Ration
Purina Fox Chow
Purina Fox Chow (Without Meat Meal)
Purina Game Bird Growena E
Purina Goat Chow E
Purina Guinea Pig Chow
Purina Hog Chow 50 AB Medicated
Purina Hog Chow 250 AB Medicated
Purina Hog Chow 3N 50 AB Medicated
Purina Hog Chow 3N 250 AB Medicated
Purina Hog Fatena E
Purina Hog Fatena E Medicated
Purina Lay Chow E
Purina Lay Chow S
Purina Layena (Complete Ration) E
Purina Meat Pullet Fattening Chow NC Medicated
Purina Medicated Chek-R-Aid E
Purina Medicated D & F Chow D
Purina Medicated Rabbit Chow Checkers E
Purina Milk Chow D 16%
Purina Milk Chow D 20%
Purina Milk Chow E 16%
Purina Mix-R-Mycin
Purina Nursing Chow
Purina Omolene
Purina Pigeon Chow Checkers E
Purina Pig-Plus
Purina Pig Startena E
Purina Poultry Booster Chow E
Purina Pullet Developer E

Ralston Purina Co., 835 S. Eighth St., St. Louis, Mo.—*Con.*

Purina Pullet Developer (E) NC Medicated
 Purina Rabbit Chow Checkers (20%)
 Purina Rabbit Chow Checkers (Complete Ration) E
 Purina Rabbit Chow Checkers (Complete Ration) (E) SQ Medicated
 Purina Rabbit Chow Checkers WO (E)
 Purina Range Checkers
 Purina Roaster Chow E
 Purina Roaster Chow (E) NC Medicated
 Purina Special Steer Fatena
 Purina Steer Fatena 65%
 Purina Super Broiler Chow Finisher (E) 3 NC
 Purina Super Broiler Chow Starter (E) 3 NC
 Purina Super Chick Startena E
 Purina Super Chick Startena (E) 3 NC
 Purina Super Game Bird Startena
 Purina Super Layena (Complete Ration) E
 Purina Turkey Breeder Developer E
 Purina Turkey Breeder Developer (E) HS Medicated
 Purina Turkey Breeder Layena E
 Purina Turkey Breeder Layena (E) HS
 Purina Turkey Broiler Finisher E
 Purina Turkey Fatena E
 Purina Turkey Fatena (E) HS Medicated
 Purina Turkey Finisher E
 Purina Turkey Finisher (E) HS Medicated
 Purina Turkey Growena E
 Purina Turkey Growena (E) HS Medicated
 Purina Turkey Growena (E) SQ
 Purina Turkey Pre-Starter E
 Purina Turkey Startena E
 Purina Turkey Startena (E) HS Medicated
 Purina Turkey Startena (E) SQ
 Wheat Standard Middlings

Reading Milling Co., Inc., Reading, Pa.

Faramel All Mash Grower
 Faramel All Mash Layer
 Faramel Rabbit Food Pellets
 Hi-Energy All Mash Layer

Reliable Grain & Fuel Co., 176 Westfield Ave., Ansonia, Conn.

Reliable 16% Dairy Feed

James Richardson & Sons, Ltd., Royal Bank Bldg., Toronto, Canada

Canadian Pure Bran
 Canadian Pure Shorts

Riverside Elevator Co., 1366 Penobscot Bldg., Detroit, Mich.

Corn Distillers' Dried Grains (*Mfd. by Gooderham & Worts Ltd., Toronto, Canada*)
 Corn Distillers' Dried Grains (*Mfd. by Hiram Walker & Sons Ltd., Walkerville, Canada*)
 Walker's Stimuflav (Corn Distillers' Dried Solubles) (*Mfd. by Hiram Walker & Sons Ltd., Walkerville, Canada*)

Riverside Oil Mill, Marks, Miss.

Registered by Ultra-Life Laboratories, Inc., East St., Louis, Ill.
 Expello Brand 41% Protein Cottonseed Meal or Cake

H. M. Rubin Co., Inc., 53-01 Vernon Blvd., Long Island City, N. Y.

Rubco 50% Protein Meat & Bone Meal

Russell-Miller Milling Co., 860 Grain Exchange, Minneapolis 15, Minn.

Occident Wheat Bran
Occident Wheat Germ Meal
Occident Wheat Mixed Feed with Ground Wheat Screenings not Exceeding Mill Run or 8%
Occident Wheat Red Dog
Occident Wheat Standard Middlings with Ground Wheat Screenings not Exceeding Mill Run or 8%

Salada, Shirriff-Horsey Corp. Ltd., Plant City, Fla.

J. William Horsey Brand Dried Citrus Pulp

Saunders Mills, Inc., Toledo, Ohio

Krumbles (Alfalfa)

Wolf Savitsky & Sons, Inc., Foot of White St., Shelton, Conn.

Wolf's Broiler Finisher
Wolf's Calf Ration
Wolf's Complete Hi-Eff Egg Breeder Mash
Wolf's Complete Hi-Eff Growing Mash
Wolf's Egg Mash
Wolf's Hi-Speed Starter & Broiler Ration
Wolf's Horse Feed
Wolf's Performo-Las
Wolf's Pig & Hog Feed
Wolf's Sulfaquinoxaline-Arsanilic Acid Mixture in Super Hi-Eff Starter & Broiler Ration
Wolf's Sulfaquinoxaline Mixture in Complete Hi-Eff Growing Mash
Wolf's Sulfaquinoxaline Mixture in Hi-Speed Starter & Broiler Ration
Wolf's Super Hi-Eff Starter & Broiler Ration
Wolf's Sweetened 14% Dairy Ration
Wolf's Sweetened 16% Dairy Ration
Wolf's Sweetened 18% Dairy Ration
Wolf's Sweetened 20% Dairy Ration

Schenley Distillers, Inc., 350 Fifth Ave., New York 1, N. Y.

(See also *Vitamin Carriers*)

Schenley Mark of Merit Corn Distillers Dried Grain with Solubles
Schenley Soludri Corn Distillers Dried Solubles

Schoeneck Farms, Inc., R. D. No. 3, Nazareth, Pa.

Schoeneck's Super-Green Dehydrated Alfalfa Meal

Sea Board Supply Co., 35th & Grays Ferry Ave., Philadelphia 46, Pa.

Crab Meal
Dried Tomato Pomace

Seacoast Products, Inc., Lewes, Del.

Smith's Lifeline Brand Fish Meal

Seaway Grain Co., 351 Place Royale, Montreal, Canada

Malt Sprouts Pellets

Seymour Grain & Coal Co., 100 Main St., Seymour, Conn.

High-Vita 16% Dairy Ration
Miracle All-In-One Hog Ration
Miracle Broiler-Starter Medicated
Miracle 14% Calf Grower
Miracle Dairy 16%
Miracle Fitting Ration
Miracle 20% Grower
Miracle Hi-Energy All-Mash Layer
Miracle Laying Mash
Miracle 3-Nitro Mix Inc. in Miracle Starter-Broiler
New England Mash
See-More Milk Dairy Ration
See-More Milk Dairy Ration 20%

The Sherwin-Williams Co., 101 Prospect Ave. N. W., Cleveland, Ohio
 Sherwin-Williams 34% Linseed Oil Meal (A Blend of Expeller and Solvent Extracted Meals)

Silmo Chemical Corp., Vineland, N. J.
(See also Vitamin Carriers)
 Silmo Vit-Ay-20,000 MS
 Vitay 5000

David Small, East Hartford, Conn.
Registered by Yieldmor Feeds, Inc., Piqua, Ohio
 David Small's Broiler Feed Medicated
 David Small's D.S.H.S. Broiler Feed Medicated
 David Small's D.S.H.S. Finishing Feed Medicated
 David Small's Finishing Feed Medicated
 David Small's High Efficiency All Mash Breeder
 David Small's High Protein Broiler Feed No. 1
 Nicarbazin Mix in David Small's Hi-Energy Broiler Ration

The W. J. Small Co., Div. Archer-Daniels-Midland Co., P. O. Box 356, Kansas City, Mo.
 Small's 17% Dehydrated Alfalfa Meal

Allen V. Smith Inc., Marcellus Falls, N. Y.
 Smith's Barley Feed (Red Tag Brand)

J. Howard Smith, Inc., Port Monmouth, N. J.
 Smith's "Lifeline" Fish Meal

The Smith Meal Co. Inc., Amagansett, N. Y.
 Smith's Life Line Fish Meal

Southern Fruit Distributors Inc., P. O. Box 671, Orlando, Fla.
 Bluebird Citrus Pulp

South Windsor Grain Co., South Windsor, Conn.
 Valley Laying Mash

E. R. Squibb & Sons Div. Olin Mathieson Chemical Corp., 460 Park Ave., New York 22, N. Y.
 Omafac

A. E. Staley Manufacturing Co., Decatur, Ill.
 Staley's 21% Corn Gluten Feed
 Staley's 41% Corn Gluten Meal
 Staley's HI-PRO-CON 50% Protein Dehulled Solvent Extracted Soybean Oil Meal
 Staley's 44% Protein Solvent Extracted Soybean Oil Meal

Standard Brands Inc., 625 Madison Ave., New York 22, N. Y.
(See also Vitamin Carriers)
 Fleischmann's FIDY Type 36-F Irradiated Dry Yeast
 Fleischmann's FIDY Type 142-F Irradiated Dry Yeast

Standard Milling Co., Buffalo, N. Y.
 Hecker's Standard Wheat Germ

D. A. Stickell & Sons, Inc., 67 W. Baltimore St., Hagerstown, Md.
 Stickell's Horse Feed
 Su-Pur Rabbit Pellets

F. W. Stock & Sons, Inc., Hillsdale, Mich.
 Stock's Wheat Bran
 Stock's Wheat Middlings

Suni-Citrus Products Co., Haines City, Fla.

Registered by Cocke & Co., Atlanta, Ga.

Suni-Citrolas

Suni-Citrus Meal

Sweet Suni-Citrus Meal

Sweet Suni-Citrus Pulp

Sunny Slope Farms, Inc., Box 234, Nazareth, Pa.

Sunny Slope Farms Brand Dehydrated Alfalfa Meal

Sunset Feed & Grain Co., Inc., 805 Dun Bldg., Buffalo 2, N. Y.

Yellow Hominy Feed (*Mfd. by Maple Leaf Milling Co. Ltd., Toronto, Canada*)

Sunshine Biscuits, Inc., Milling Div., Grafton, Ohio

UMC Wheat Bran-Pure Wheat Bran

UMC Wheat Middlings (With Ground Screenings not Exceeding Mill Run)

Swift & Co., Box 110, Fostoria, Ohio

Swift's 50% Dehulled Solvent Extracted Soybean Oil Meal

Swift's 44% Protein Solvent Extracted Soybean Oil Meal

T. H. Taylor Co. Ltd., Chatham, Canada

Registered by S. J. Cherry & Sons Ltd., Preston, Canada

Wheat Shorts

The Thomaston Supply Co., Inc., Thomaston, Conn.

Thomaston Dairy Ration

Toledo Alfalfa Mills, East Toledo, Ohio

Vit-A-Green Supreme 17/27 Leafy Irish Brand (1% Animal Fat Added)

Tri Associates, Inc., 8500 Pillsbury Ave. South, Minneapolis, Minn.

(*See also Vitamin Carriers*)

Tri's Grade A Calf Milk-Replacer

Trico Feed Mills, Inc., Minden, Nebr.

Dehydrated Alfalfa Meal

Ultra-Life Laboratories, Inc., 35th & Walnut Sts., East St. Louis, Ill.

Expello Brand 41% Protein Cottonseed Meal or Cake (*Mfd. by Riverside Oil Mill, Marks, Miss.*)

Ultra Brand Poul-Centrate

Ultra-Life Beef-Gro

Ultra-Life Calf Food Pellets

Ultra-Life High Energy Poultry

Ultra-Life Livestock

Ultra-Life 3-Nitro-4-Hydroxy Mix Inc. in Ultra-Life Broiler-Gro

Ultra-Life Pig-Gro

Ultra-Life Turkey-Gro

United Co-operative Farmers, Inc., 339 Broad St., Fitchburg, Mass.

UCF Breeder

UCF Calf Meal

UCF Calf Starter

UCF 16% Dairy

UCF 18% Dairy

UCF 20% Dairy

UCF Dry & Freshening Ration

UCF Fitting Ration

UCF Flushing Mash

UCF Grower

UCF Hi NRG All Mash Breeder

UCF Hi NRG All Mash Grower & Layer

UCF Hi NRG Poultry Finishing Ration

United Co-operative Farmers, Inc., 339 Broad St., Fitchburg, Mass.—Cont.

UCF Hi NRG Poultry Finishing Ration Medicated
 UCF Horse Feed
 UCF Layer
 UCF Medicated Booster
 UCF Medicated Booster—Booster 200
 UCF Medicated Booster—Booster NF
 UCF Milkmaker
 UCF Mix Feed
 UCF Nicarbazin Mixture mixed with UCF Super Broiler Mash
 UCF Pig & Hog Feed
 UCF Poultry Fitting Ration
 UCF Stock Feed
 UCF Super Broiler Mash
 UCF Super Broiler Mash Medicated
 UCF 16% Super Dairy
 UCF Super Starter
 UCF Super Starter Medicated
 UCF Super Starter Medicated SQ
 UCF Turkey Grower & Fattener
 UCF Turkey Starter

Unity Feeds Inc., 177 Milk St., Boston, Mass.

Paycheck 18% Dairy Ration
 Unity Booster-Etts Medicated
 Unity Broiler Maker Medicated
 Unity Broiler Starter Medicated
 Unity Bulky Mix Ration
 Unity Calving Ration
 Unity Complete Rabbit Pellets
 Unity Dairy & Fitting Ration
 Unity 16% Dairy Ration
 Unity 20% Dairy Ration
 Unity Growing & Laying Mash
 Unity High Energy Breeder Mash
 Unity High Energy Growing & Laying Mash
 Unity High Energy Growing & Laying Mash Medicated
 Unity Horse Feed
 Unity Improved Calf Ration
 Unity Pig & Hog Ration
 Unity Scratch Feed
 Unity Super Starter Medicated
 Unity Trim Medicated
 Unity Turkey & Game Bird Growing Mash

Universal Grain Co. of New Jersey, 425 South St., Newark, N. J.

Superior Cow Brand Dried Brewers Grains

Utah-Idaho Sugar Co., Toppenish, Wash.

Registered by The Yantic Grain & Products Co., Norwich, Conn.
 U and I Molasses Dried Beet Pulp

Valley Poultry Farm, Woodstock Valley, Conn.

(See also *Vitamin Carriers*)
 Valco Broiler Feed

Verhoff Alfalfa Mills, Ottawa, Ohio

Ottawa Dehydrated Alfalfa 17% Meal

Vitality Mills Inc., 250 W. 87th St., Chicago, Ill.

Vitality All-in-One Rabbit Pellets

Hiram Walker & Sons, Inc., Foot of Edmund St., Peoria, Ill.

Corn Distillers' Dried Grains with Solubles

Hiram Walker & Sons Ltd., Walkerville, Canada*Registered by Riverside Elevator Co., Detroit, Mich.*

Corn Distillers' Dried Grains

Walker's Stimuflav (Corn Distillers' Dried Solubles)

Wm. S. Warren & Son, Eastford, Conn.*Registered by Camp Milling Co., Inc., Walton, N. Y.**Registered by Clyde Milling Corp., Clyde, N. Y.**Registered by Delaware Mills, Inc., Deposit, N. Y.**Registered by Harper Feed Mills, Inc., Washington, Pa.*Warren's Complete Chick Starter (*Mfd. by Camp Milling Co., Inc., Walton, N. Y.*)Warren's Complete Growing Mash (*Mfd. by Camp Milling Co., Inc., Walton, N. Y.*)Warren's Complete Laying Mash (*Mfd. by Camp Milling Co., Inc., Walton, N. Y.*)Warren's Laying Mash (*Mfd. by Camp Milling Co., Inc., Walton, N. Y.*)Warren's 16% Milk Flow (*Mfd. by Camp Milling Co., Inc., Walton, N. Y.*)Warren's Scratch Grains (*Mfd. by Camp Milling Co., Inc., Walton, N. Y.*)Warren's Dairy Fitting Ration (*Mfd. by Clyde Milling Corp., Clyde, N. Y.*)Warren's 16 Dairy Ration (*Mfd. by Clyde Milling Corp., Clyde, N. Y.*)Warren's Laying Mash (*Mfd. by Clyde Milling Corp., Clyde, N. Y.*)Warren's C and C Complete Laying Mash (*Mfd. by Delaware Mills, Inc., Deposit, N. Y.*)Warren's C and C Laying Mash (*Mfd. by Delaware Mills, Inc., Deposit, N. Y.*)Warren's Chick Starter (*Mfd. by Delaware Mills, Inc., Deposit, N. Y.*)Warren's Chick Starter (*Mfd. by Delaware Mills, Inc., Deposit, N. Y.*)Warren's Chick Starter Medicated (*Mfd. by Delaware Mills, Inc., Deposit, N. Y.*)Warren's Complete Grower (*Mfd. by Delaware Mills, Inc., Deposit, N. Y.*)Warren's Complete Layer (*Mfd. by Delaware Mills, Inc., Deposit, N. Y.*)Warren's Fitting Ration (*Mfd. by Delaware Mills, Inc., Deposit, N. Y.*)Warren's Growing Mash (*Mfd. by Delaware Mills, Inc., Deposit, N. Y.*)Warren's Indian 16% Dairy (*Mfd. by Delaware Mills, Inc., Deposit, N. Y.*)Warren's Laying Mash (*Mfd. by Delaware Mills, Inc., Deposit, N. Y.*)Warren's 16% Test Ration (*Mfd. by Delaware Mills, Inc., Deposit, N. Y.*)Warren's 20% Test Ration (*Mfd. by Delaware Mills, Inc., Deposit, N. Y.*)Warren's Complete Laying Mash (*Mfd. by Harper Feed Mills Inc., Washington, Pa.*)Warren's 20% Laying Mash (*Mfd. by Harper Feed Mills Inc., Washington, Pa.*)**The Watertown Co-operative Ass'n., Inc., 27 Depot St., Watertown, Conn.**

Co-op Red Tag 16%

Watertown Co-op 16% Dairy Feed

H. K. Webster Co., Lawrence, Mass.

Blue Seal All-Mash Breeder's Ration

Blue Seal All-Mash Egg Ration

Blue Seal All-Mash Grow & Lay

Blue Seal All-Mash Growing Ration

Blue Seal Calf Starter

Blue Seal Chick Feed

Blue Seal Coarse "16" Dairy Ration

Blue Seal Coarse "20" Dairy Ration

Blue Seal "32" Dairy Concentrate

Blue Seal Economizer "16" Dairy Ration

Blue Seal Egg Mash

Blue Seal Fat & Finish Ration

Blue Seal Fitting Ration

Blue Seal Flaked 15

Blue Seal Furazolidone, Chlortetracycline Mixture

Blue Seal Furazolidone, Chlortetracycline NFA (Crumbles)

Blue Seal Goat Feed

Blue Seal Growing Mash

Blue Seal Horse Feed

Blue Seal Medicated Chick Booster

Blue Seal Medicated Poultry Zest

Blue Seal Nicarbazin Mixture Inc. in Advance Broiler

Blue Seal Nicarbazin Mixture Inc. in Chick Starter

Blue Seal Nicarbazin Mixture Inc. in Fat & Finish Ration

H. K. Webster Co., Lawrence, Mass.—*Cont.*

Blue Seal Pig Feed
 Blue Seal Poultry & Turkey Fitting
 Blue Seal Rabbit Pellets
 Blue Seal Sodium Propionate Mixture for Ketosis Control
 Blue Seal Standard "16" Dairy Ration
 Blue Seal Standard "20" Dairy Ration
 Blue Seal Standard 14 Dry Cow Fitting Ration
 Blue Seal Succulent Feed and Calving Ration
 Blue Seal Sulfaquinoxaline Mixture Inc. in All-Mash Growing Ration
 Blue Seal Sulfaquinoxaline Mixture Inc. in Chick Starter
 Blue Seal Super Breeder's Mash
 Blue Seal Test Ration
 Blue Seal Turkey Growing

Western Condensing Co., Box 739, Appleton, Wis.

(*See also Vitamin Carriers*)

Peebles' Free Choice Feed
 Peebles' Poultry Fare
 Peebles' Super Calf-Kit

West-Nesbitt Inc., 26-34 Market St., Oneonta, N. Y.

All Pure Milk Ration
 Cream-Line 16% Dairy Ration
 Cream-Line Dairy Test Ration
 Pure Feed Calf Grower
 Pure Feed Chick Grains
 Pure Feed Complete Grower
 Pure Feed Complete Layer-Breeder
 Pure Feed Complete Rabbit Pellets
 Pure Feed Dairy Ration
 Pure Feed Dairy-Test Ration
 Pure Feed Egg & Breeder Mash
 Pure Feed Egg Maker
 Pure Feed 14% Fitting Ration
 Pure Feed Growing Mash
 Pure Feed High Energy Broiler Medicated
 Pure Feed High Energy Broiler Finisher Medicated (.0095% Arsanilic Acid)
 Pure Feed High Energy Broiler Finisher Medicated (.0125% Nicarbazin)
 Pure Feed Horse Ration
 Pure Feed Nicarbazin Mix mixed with Pure Feed Starting Mash
 Pure Feed Starting Mash
 Pure Feed Sulfaquinoxaline Mix mixed with Pure Feed Turkey Grower
 Pure Feed Sulfaquinoxaline Mix in Pure Feed Turkey Starter
 Pure Feed Swine Ration
 Pure Feed Turkey Finisher
 Pure Feed Turkey Grower

A. C. Wetherell, Suffield, Conn.

Special Dairy Mixture No. 3

Whitmoyer Laboratories, Inc., Myerstown, Pa.

(*See also Vitamin Carriers*)

Clo-Meal
 Flav-A-Dee

The Geo. Wiedemann Brewing Co., Newport, Ky.

Brewers Dried Grains

Wilkins-Rogers Milling Co., Inc., 3261 K St. N. W., Washington, D. C.

Washington Coarse Scratch Feed
 Washington Laying Mash

Winter Garden Citrus Products Cooperative, Winter Garden, Fla.

Wholesun Dried Citrus Pulp

The Yantic Grain & Products Co., 3 Cove St., Norwich, Conn.

(See also *Vitamin Carriers*)

- Big Y All in All Egg Ration
- Big Y All in All Growing Ration
- Big Y Blackhead Preventive Mixed with Big Y Turkey Growing Feed
- Big Y Breeder Mash
- Big Y Calf Starter & Builder
- Big Y Calving Ration
- Big Y Chick Scratch Grain
- Big Y Chlortetracycline (Aureomycin) Mixture (200 grams per ton)
- Big Y Chlortetracycline & Furazolidone Mixture (n.f. 180) in Big Y Power House Crumbles
- Big Y Confinement Growing Mash
- Big Y Confinement Growing Mash Medicated
- Big Y Confinement Growing Mash Medicated Nitrophenide
- Big Y Dairy & Fitting Ration
- Big Y 16% Dairy Ration
- Big Y 18% Dairy Ration
- Big Y 20% Dairy Ration
- Big Y Dairy Ration—Purity
- Big Y 32% Dairy Supplement Feed
- Big Y Dienestrol Diacetate Mix
- Big Y Dienestrol Diacetate & Nicarb Mix in Big Y Improved Broiler Finisher
- Big Y Egg Maker
- Big Y Fattening Pellets
- Big Y Fattening Pellets Medicated
- Big Y Fitting Ration
- Big Y Hi-Efficiency Breeder Ration
- Big Y Hi-Efficiency Grower
- Big Y Hi-Efficiency Grower with Nicarbazine
- Big Y Hi-Efficiency Laying Mash
- Big Y Hi-G Dairy Ration
- Big Y Hi-G Scratch Feed
- Big Y Hog & Pig Ration
- Big Y Horse Feed
- Big Y Improved A1-Mo
- Big Y Improved Broiler Finisher with Nicarbazine Mixture
- Big Y Improved Broiler Ration with Nicarbazine Mixture
- Big Y Improved Broiler & Starter Ration Medicated
- Big Y Improved Turkey Starter & Game Bird Feed
- Big Y Improved Turkey Starter & Game Bird Feed with Sulfaquinoxaline
- Big Y Intermediate Chick Grain
- Big Y 20% Laying Mash
- Big Y M&O Growing Feed
- Big Y Meat Pullet & Caponette Ration
- Big Y Nitrophenide Arsanilic Acid Mixture Inc. in Big Y Improved Broiler & Starter Ration
- Big Y Peerless Broiler & Starter Ration Medicated
- Big Y Poultry Fitting Ration
- Big Y Pre-Starter Medicated
- Big Y Progressive Growing Feed
- Big Y Rabbit Pellets
- Big Y Scratch Feed
- Big Y Sheep & Goat Feed
- Big Y Stock Feed
- Big Y Sulfaquinoxaline Mixture Inc. in Big Y Rabbit Pellets
- Big Y Sulfaquinoxaline Mixture Inc. in Big Y Super Starter Broiler Ration
- Big Y Super Broiler & Starter Ration Medicated
- Big Y Super Starter & Broiler Ration with Nicarbazine
- Big Y Super Starter & Broiler Ration
- Big Y Super Starter Ration with Sulfaquinoxaline
- Big Y Supreme Laying Mash
- Big Y Test Cow Ration
- Big Y Turkey Fattener
- Big Y Turkey Growing Feed

The Yantic Grain & Products Co., 3 Cove St., Norwich, Conn.—Cont.

Big Y Turkey Growing Feed with Histostat
 Big Y Vitamin A & D Feeding Oil
 Big Y Worming Mash for expelling Round & Cecal Worms
 U and I Molasses Dried Beet Pulp (*Mfd. by Utah-Idaho Sugar Co., Toppenish, Wash.*)

Yieldmor Feeds, Inc., Box 807, Piqua, Ohio

David Small's Broiler Feed Medicated (*Mfd. for David Small, East Hartford, Conn.*)
 David Small's D.S.H.S. Broiler Feed Medicated (*Mfd. for David Small, East Hartford, Conn.*)
 David Small's D.S.H.S. Finishing Feed Medicated (*Mfd. for David Small, East Hartford, Conn.*)
 David Small's Finishing Feed Medicated (*Mfd. for David Small, East Hartford, Conn.*)
 David Small's High Efficiency All Mash Breeder (*Mfd. for David Small, East Hartford, Conn.*)
 David Small's High Protein Broiler Feed No. 1 (*Mfd. for David Small, East Hartford, Conn.*)
 Nicarbazin Mix in David Small's Hi-Energy Broiler Ration (*Mfd. for David Small, East Hartford, Conn.*)
 Yieldmor 24% Broiler Pre-Starter Medicated
 Yieldmor 18% Complete Broiler Finishing Pellets Medicated
 Yieldmor 16% Dairy Feed
 Yieldmor 14% Dairy Fitting Ration
 Yieldmor High Efficiency All Mash Breeder
 Yieldmor Hi-Energy Layer-Grower Mash
 Yieldmor Hi-Energy Layer-Grower Mash Medicated
 Yieldmor Hi-Yield 18% Broiler Finisher Medicated
 Yieldmor Hi-Yield 18% Broiler Finisher Medicated with Arsanilic Acid Only
 Yieldmor Hi-Yield Broiler Ration
 Yieldmor Hi-Yield Broiler Ration Medicated
 Yieldmor Medicated Hi-Energy Broiler Ration
 Yieldmor Medicated Hi-Yield Broiler Ration (with Aureomycin)
 Yieldmor Medicated Hi-Yield Broiler Ration
 Yieldmor One Day Station Fattener Pellets
 Yieldmor Poultry Fitting Ration
 Yieldmor Rabbit Pellets
 Yieldmor 24% Super Broiler Medicated B-34
 Yieldmor 20% Super Finisher Medicated F-2

Meyer Zausner Inc., New Holland, Pa.

Zausner Condensed Whole Whey

VITAMIN CARRIERS

American Cyanamid Co., P. O. Box 672, Princeton, N. J.

Fortafeed Feed Supplement 2-22
 Profactor-10 Vitamin B₁₂ Supplement

Astrol Products, Inc., 57-59 Commerce St., Brooklyn, N. Y.

Dry D

The Beacon Milling Co. Inc., A Division of Spencer Kellogg & Sons, Inc., Cayuga, N. Y.

(*See also Feeds*)
 Beacon High Vitamin D₂ Mix

The Borden Co., Special Products Div., 350 Madison Ave., New York, N. Y.

(*See also Feeds*)
 Borden's Dry D
 Flaydry Poultry Feed Supplement

Central Conn. Co-operative Farmers' Ass'n., Inc., 10 Apel Place, Manchester, Conn.

(See also Feeds)

Chemo Nutrient Premix Code No. CCC No. 1 (*Mfd. by Chemo Puro Mfg. Corp., Newark, N. J.*)

Honest Brand Aureomycin Mix 100 grams

Honest Brand Aureomycin Mix 200 grams

Chemo Puro Mfg. Corp., 150 Doremus Ave., Newark 5, N. J.

Registered by Central Conn. Co-operative Farmers' Ass'n., Inc., Manchester, Conn.

Chemo Nutrient Premix Code No. CCC No. 1

Commercial Solvents Corp., 1331 South 1st St., Terre Haute, Ind.

(See also Feeds)

B-Y-21 Riboflavin Supplement

Consolidated Products Co., Danville, Ill.

(See also Feeds)

Kaff-A

Pex for Layers-Breeders

Pex for Poultry

Chas. M. Cox Co., 177 Milk St., Boston, Mass.

(See also Feeds)

Medicated Hi-D-Trol

Wirthmore Medicated Ketrol

Dawe's Laboratories, Inc., 4800 So. Richmond St., Chicago, Ill.

(See also Feeds)

Dawe's Fermentation Flavonne

Dawe's Fermentation Supplement 100

Dawe's Vitamelk

Flavonne Ribo-D

3-Nitro-4-Hydroxy Mixture Special Broiler Mix No. 571-D

Dawnwood Farms, Smithfield Rd., Amenia, N. Y.

(See also Feeds)

Dawnwood Farms CAF-STAR Formula Feed for Calves

E. I. duPont deNemours & Company, Wilmington, Del.

(See also Feeds)

DU PONT DELSTEROL 3000-D, "D" Activated Animal Sterol (Vitamin D₃) in Corn Meal

Eastern States Farmers' Exchange, Inc., West Springfield, Mass.

(See also Feeds)

Calfsaver Tablets

The Fox Co., Newfield, N. J.

(See also Feeds)

Foxco Dependable Dry 1500D

Foxco Qualadee A & D Feeding Oil

Foxco Vitamin D Feeding Oil

Gorton's of Gloucester, Inc., 327 Main St., Gloucester, Mass.

(See also Feeds)

Gorton's A1-Blend "Junior"

Gorton's A1-Blend "Senior"

Gorton's "GP" (Non-Destearinated Cod Liver Oil) 2250A/300D

Marine Products Co., 339 West First St., Boston 27, Mass.

High Potency Vitamin A & D Feeding Oil

Merck & Co., Inc., Rahway, N. J.
No. 444 Vitamin Mixture

O. W. Meyer Laboratories, Napoleon, Ohio
Near's Qual-Econ Minraltone Direct Feeding

Myzon, Inc., 3129 W. 47th St., Chicago, Ill.
Myzon Formula 62 Poultry Builder
Myzon Poultry Builder

National Vitamin Products Co., 3401 Hiawatha Ave. So., Minneapolis 6, Minn.
(See also Feeds)
Calvita (Trade Mark Reg.) Calf Formula

Nopco Chemical Co., Harrison, N. J.
(See also Feeds)
Nopco-Pak Hi-Lay Premix
Nopco-Pak Pre-Starter Premix
Nopco-Pak Super Premix

Chas. Pfizer & Co. Inc., 630 Flushing Ave., Brooklyn, N. Y.
Pfizer 6+ Bi-Con 6+ Vitamin B₁₂ Supplement

Schenley Distillers, Inc., 350 Fifth Ave., New York 1, N. Y.
Anigene No. 925—Vitamin B₁₂ Feed Supplement

Silmo Chemical Corp., Vineland, N. J.
(See also Feeds)
Silmo XX Vitamin A & D Feeding Oil
Silmo 300 Vitamin A & D Feeding Oil
Silmo Vit-AY-20,000, Type MS

Stabilized Vitamins, Inc., 57 Commerce St., Brooklyn 31, N. Y.
Perma-Mix C.C.C. No. 1
Perma-Mix C.C.C. No. 2
Perma-Mix C.C.C. No. 3
Perma-Mix C.C.C. No. 4

Standard Brands Inc., 625 Madison Ave., New York 22, N. Y.
(See also Feeds)
Fleischmann's FIDY Type 36-F Irradiated Dry Yeast
Fleischmann's FIDY Type 142-F Irradiated Dry Yeast

Tri Associates, Inc., 8500 Pillsbury Ave. South, Minneapolis, Minn.
(See also Feeds)
Tri's Grade A Calf Milk-Replacer

U. S. Industrial Chemicals Co., Div. of National Distillers Products Corp., 99 Park Ave., New York 16, N. Y.
U.S.I. Riboflavin Supplement No. 4

Valley Poultry Farm, Woodstock Valley, Conn.
(See also Feeds)
Valco Broiler Feed

Western Condensing Co., Box 739, Appleton, Wis.
(See also Feeds)
Peebles' Free Choice Feed
Peebles' Poultry Fare
Peebles' Super Calf-Kit

Whitmoyer Laboratories, Inc., Myerstown, Pa.*(See also Feeds)*

Dri-Col

Flav-A-Dee

Whitcod

Whitcod Pure Cod Liver Oil USP Non Destearinated

Whitmoyer Quality Vitamin A & D Feeding Oil

The Yantic Grain & Products Co., 3 Cove St., Norwich, Conn.*(See also Feeds)*

Big Y Vitamin A & D Feeding Oil

SUMMARY OF INSPECTION

In the calendar year 1957, a total of 2,077 samples was examined—180 more samples than in 1956. This total included official samples of commercial feeds, carriers of vitamin D and other vitamins, and miscellaneous materials as shown in the following summary:

Biological specimens analyzed for poison.....	144
Check feeds, A.A.F.C.O., etc.....	11
Commercial feeding stuffs, official samples.....	994
Miscellaneous feeds, etc., analyzed for purchasers	168
Oat products.....	7
Pasture grass, etc., samples for Storrs Station	679
Vitamin carriers	74
	<hr/>
	2,077

Samples examined for Storrs Station are in connection with investigations carried on by that Station and are not for discussion in this report.

Commercial Feeding Stuffs

Prior to 1957 medicated feeds were not required to be registered. All animal feeds, whether medicated or not, have always been subject to the Connecticut Food, Drug and Cosmetic Act as well as the Feeding Stuffs Law, and when the practice of adding small proportions of drugs to regular poultry feeds to act as prophylactics against disease began to develop in 1949 it was decided to waive registration of such mixtures under the Feeding Stuffs Law and to treat them solely as drugs to be controlled by the Food and Drug Commission under the Food, Drug and Cosmetic Act. This practice continued up to the present year; registration of medicated feeds was not required, but they were sampled regularly by drug inspectors and their drug contents checked by analysis at this Station and the results published in special tables in our annual feed reports.

The enormous increase in late years in the proportion of feeds for all animals to which numerous synthetic drugs, antibiotics, etc., were being added to accomplish varying purposes led us to realize that medicated feeds could no longer be treated as a small special class for which a waiver of registration was justifiable. This waiver was therefore revoked in a notice sent to feed manufacturers shortly prior to the 1957 registration season, and for the calendar year 1957 and thereafter *all* feeds (whether medicated or not) have been and will be required to be registered.

This has considerably increased the analytical load in the laboratory, because not only have there been more samples to analyze but in most cases more determinations per sample have had to be made. Other results from this change have been a delay in appearance of this report and a need to rearrange the tabular data. Where the reports of previous years have listed analyses of unmedicated feeds in one table and those of medicated feeds in several others, this year analyses of all official feed samples (except vitamin concentrates and oat products) have been combined in one "Table 1". Unfortunately because of space limitations this could only be done at the expense of eliminating the usual listing of the names of the retail dealers from whose stocks the samples were obtained, but we hope that this omission has been compensated for by the greater ease in locating the data on individual feeds.

The results of our analyses of these samples can be summarized as follows:

Total number of samples.....	994
Samples deficient in:	
one item.....	143
two items.....	12
Percentage of samples meeting guaranties	84
Total guaranties made	3,240 ¹
Guaranties not met:	
protein.....	31
fat.....	77
fiber.....	20
2-acetylaminio-5-nitrothiazole ("Enheptin A")	1
arsanilic acid.....	6
copper sulphate.....	2
nicarbazin.....	10
nicotine.....	1
3-nitro-4-hydroxyphenylarsonic acid.....	4
nitrophenide.....	1
4-nitrophenylarsonic acid ("Histostat").....	8
phenothiazine.....	2
sulfaquinoxaline.....	3
sulphur.....	1
Percentage of guaranties met.....	95

Largely because of the systematic examination for the first time of medicated feeds, 56 more official samples were analyzed in 1957 than in 1956. The general picture with regard to deficiencies did not change significantly, however: The percentage of satisfactory guaranties was 95 as against 96 in 1955 and 1956, and deficiencies in fat were still the most common (77 in 1957 and 63 in 1956).

Chemical analyses are given in Table 1; deficiencies are shown in **bold face type**. (Tolerances used were 0.75 per cent for protein and fiber, 0.25 per cent for fat, and \pm 20 per cent of guaranty for drugs and other minor ingredients.)

¹ One sample with six guaranties, 73 with five guaranties, 117 with four guaranties, 796 with three guaranties, six with two guaranties and one with no guaranty (guaranties for antibiotics not included).

Vitamin Carriers

Seventy samples of vitamin D carriers were assayed for this vitamin by official methods, using day-old chicks for poultry feed supplements and rats for supplements for four-footed animals. Fifteen of these samples guaranteed one or more vitamins in addition to vitamin D, and results of our assays for these vitamins (riboflavin, niacin and pantothenic acid) are included in Table 2 under the respective samples. This table also lists four samples which contained no vitamin D; two of these were sold as sources of riboflavin and niacin, and one each as a source of riboflavin alone and of riboflavin plus niacin plus pantothenic acid.

Only two samples out of the 70 failed to meet their guaranties for vitamin D. This is a 97 per cent passing ratio, as against 94 per cent found in 1956. During the entire 21-year period from 1937 to 1957 inclusive that such vitamin D assays have been run, 1,113 samples have been examined, of which 1,007, or 90 per cent, have been passed.

On the basis of a ± 20 per cent tolerance for other vitamins, no sample was found to be deficient in riboflavin, niacin or pantothenic acid, but five were high in niacin alone (one of these samples did not guarantee vitamin D), three contained too much riboflavin and niacin, and one each was high in riboflavin alone and in riboflavin plus niacin plus pantothenic acid. Of the total of 74 samples, therefore, two were low in vitamin D and 10 were high in other vitamins, leaving 62 samples, or 84 per cent, that were passed in all respects. Ninety-three out of the total of 110 guaranties, or 85 per cent, were met.

Oat Products

Because "meals made from whole grains when not mixed with other materials or with each other" are exempt from registration, we do not have a record of all brands of ground oats that are sold in this State. However, since it was known that adulteration of this product with oat hulls and even mineral matter has been prevalent at times in the past, each year since 1956 we have made a point of examining materials being sold as "ground oats". During 1957 seven such samples were analyzed with results as shown in Table 3. Only two samples failed to meet their guaranties; one of these was very low in protein and high in fiber, while the other was slightly deficient in fat. However, it should be noted that while the normal fiber content of commercial feed grade ground oats is only 12.1 per cent¹, four of the 1957 samples contained considerably higher percentages than this: 13.53 to 16.10 per cent. It is doubtful if more than three of this year's samples (one of which was slightly low in fat) were straight ground oats with no excess hulls.

Miscellaneous Feeds

One hundred and sixty-eight unofficial samples of feed and fodder materials were examined. This total included commercial feeds carried over from stock purchased by dealers prior to 1957, other

¹Frank B. Morrison, "Feeds and Feeding", 22nd Ed., p. 1058 (1956)

mixed feeds and feed ingredients analyzed at the request of purchasers and dealers, and samples of hay and silage submitted by farmers. Two samples were examined for the Federal Correctional Institution at Danbury for compliance with their purchasing specifications, ten samples were analyzed for the State Supervisor of Purchases, and sulfaquinoxaline was determined for the Food and Drug Commission in five medicated feeds.

Results on the following samples may be of interest:

533. *Beef Meal—80% Protein.* Joseph Price, New Britain, Conn. Protein, 78.96; water, 4.76; ash, 7.73; fat, 7.61; fiber, 0.93, and nitrogen-free extract, 0.01, per cent.

532. *Desiccated Liver.* Joseph Price, New Britain, Conn. Protein, 65.63; water, 3.34; ash, 4.62; fat, 11.24; fiber, 0.26, and nitrogen-free extract, 14.91, per cent.

1582. *Nibco Five Star Super Starter.* Berkman Grain Co., North Franklin, Conn. Riboflavin found, 269 micrograms per 100 grams. Various authorities¹ list the riboflavin requirement of chicks as between 250 and 360 micrograms per 100 grams of feed.

535. *Popped Corn.* Joseph Price, New Britain, Conn. Protein, 8.94; water, 4.89; ash, 1.38; fat, 24.76; fiber, 1.76, and nitrogen-free extract, 58.27, per cent.

As usual, a number of materials were submitted because they were suspected of having caused the illness or death of animals. Tests for deleterious substances were completely negative on all samples except three:

Two of these were hays (44 and 45) from the farm of Frederick Berggren of Ansonia that Mr. Berggren suspected were making his cows ill; no poisonous ingredient was identified by chemical analysis, but because benzene extracts of both hays killed flies it was considered probable that traces of an unidentified organic pesticide were present.

The third sample was a feed (232) submitted in connection with the death of a cow belonging to Henry Haas of Southwick, Mass. Microscopically this feed appeared to be straight ground barley, but spectrographic analysis showed the presence of 50 parts per million of barium and 35 p.p.m. of lead, indicating probable contamination with paint.

Biological Specimens Examined for Poisons

One hundred and forty-four biological specimens were examined in connection with suspected poisoning, mostly of domestic animals and poultry. In 54 of these, poisonous substances were found in sufficient quantity to suggest probable or possible causes of death.

The poisonous materials, and the number of specimens in which they were found, are summarized as follows: Alpha naphthyl thiourea

¹ Bird *et al.*, "Poultry Science", 25, 47 (1946); Bethke *et al.*, *Ibid.*, 21, 147 (1942); Sebrell and Harris, "The Vitamins", vol. III (1954).

("ANTU") (2), alpha naphthyl thiourea with zinc (1), arsenic (3), arsenic with copper (Paris green) (1), arsenic with lead (arsenate of lead) (1), barium with lead (1), cadmium with mercury (1), copper with zinc (1), lead (17), lead with zinc (3), mercury (8), parathion (1), phenothiazine (1), strychnine (1), thallium (1), tin with zinc (1), warfarin (1) and zinc (9). The predominant poison was lead, with 22 cases.

The one case of lead arsenate poisoning involved some bees, which were found to contain 8 parts per million of arsenic and 15 p.p.m. of lead. The parathion was actually found in a sample of soil, which contained only 0.02 part per million of this substance; this soil was, however, indirectly related to the deaths of a large number of birds (five starlings, seven purple grackles and a goose) and one dog which had drunk water from a puddle that had formed on land sprayed with this insecticide. The strychnine case was that of a dog; 400 parts per million of the alkaloid were found in the stomach contents. The one warfarin case, which was also that of a dog, is worthy of note because normally we do not test for that compound for the reasons that the test is time-consuming and that in any case only repeated consumption of a warfarin bait is likely to cause death; the test was run in the present instance because the veterinarian's observation that the dog's blood would not clot had strongly suggested the presence of this anti-coagulant.

Check Feeds

Nine feeds were analyzed in the check feed program sponsored by the Association of American Feed Control Officials, and two samples of alfalfa were assayed for carotene in a program also sponsored by that association.

DETERMINING GUARANTIES

The most reliable way to determine safe guaranties for feed mixtures is by analysis. Larger manufacturers with laboratory facilities follow this method. Small manufacturers and home mixers are without such facilities and they must resort to other means. A close estimate can be made by a simple calculation using as a guide the analysis tags on the ingredients to be mixed.

If, for example, a mixture is to be made with cottonseed meal, corn meal, ground oats, gluten feed and wheat bran as ingredients, we may assume that the tags for these several ingredients show the following percentages of protein, fat and fiber:

Ingredient	Protein per cent (lbs. per 100)	Fat per cent (lbs. per 100)	Fiber per cent (lbs. per 100)
Cottonseed meal.....	41	7	11
Corn meal.....	24	2	11
Ground Oats.....	12	5	11
Gluten Feed.....	25	2	7
Wheat bran.....	16	5	10

Remembering that per cent means pounds per 100 pounds, then 100 pounds of each of the materials listed above will contain the number of pounds of the several nutrients shown.

If the formula to be mixed calls for the pounds of ingredients shown in column 1 below, then the pounds of the several nutrients will be as shown in columns 2, 3 and 4. The total weight of the mix is seen to be one ton (20 hundred pounds), so the analysis of the finished product is found by dividing the totals by 20, or by moving the decimal point one place to the left and dividing by 2.

Example

Column 1	2 Protein lbs.	3 Fat lbs.	4 Fiber lbs.
Cottonseed meal..... 200 lbs.	82	14	22
Corn meal..... 200 lbs.	48	4	22
Ground oats..... 600 lbs.	72	30	66
Gluten feed..... 300 lbs.	75	6	21
Wheat bran..... 700 lbs.	112	35	70
Totals..... 2,000 lbs.	389	89	201
Per cent.....	19.45	4.45	10.05

Mixers should remember that for protein and fat the guaranties are minimum values; for fiber the guaranty is the maximum. In other words, the manufacturer guarantees that protein and fat will not be less than the percentages declared, and in the case of fiber that it will not exceed the figure declared.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957

Station No.	Manufacturer and brand	Moist- ure	Protein (N x 6.25)		Fat		Fiber		Medicant
			Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found	
Pounds per hundred (or per cent)									
Acme-Evans Co. Inc., Indianapolis, Ind.									
3326	Acme Hominy.....	8.44	9.00	13.63	7.00	6.09	6.00	4.46	.....
1901	Acme Standard Wheat Germ Meal...	12.37	25.00	26.38	7.00	8.09	3.00	4.50	.....
2781	Acme Wheat Bran.....	12.75	14.00	15.94	3.00	3.32	9.50	7.45	.....
2408	Acme Wheat Standard Middlings with Screenings.....	13.31	14.00	17.69	3.00	4.89	9.50	9.29	.....
Albers Milling Co., Los Angeles, Calif.									
3349	Albers Calf Manna.....	7.36	25.00	27.00	3.50	3.51	5.50	5.54	.....
3347	Albers Rabbit Family Ration.....	7.64	18.00	18.31	3.00	2.73	16.00	14.92	.....
3453	Albers Rapid-Adc.....	8.91	16.00	18.06	2.50	2.94	17.00	18.24	(Sulfaquinoxaline: Guar., 0.0125%; found, 0.0128%.
3348	Albers Suckle.....	5.81	24.00	28.13	5.00	4.09	1.50	0.80	.....
Allied Mills, Inc., Chicago, Ill.									
3877	Wayne Broiler Feed (156) Medicated	11.01	20.00	20.44	3.00	3.84	4.00	3.53	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0051%.
4476	Wayne Broiler Feed (157) Medicated	9.56	20.00	22.75	3.00	3.06	4.00	3.00	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0046%. Nicarbazin; Guar., 0.01%; found, 0.0102%
3419	Wayne Calfnip.....	5.82	23.00	23.88	0.50	0.61	0.25	0.18	.....
2843	Wayne Calf Starter "A".....	12.47	16.00	17.91	3.00	2.74	7.50	4.41	.....
2099	Wayne Chick Feed.....	15.05	9.00	10.75	2.00	4.31	4.00	1.87	.....
4062	Wayne Chick Starter (133) Medicated	9.26	20.00	20.00	4.00	4.54	5.50	4.58	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.0025%; found, 0.0028%. Nicarbazin; Guar., 0.01%; found, 0.0125%.

2842	Wayne 16% Dairy	14.95	16.00	17.85	3.00	3.03	9.00	7.80	.....
2854	Wayne Egg	2.96	22.00	22.44	4.00	3.82	4.50	4.65	.....
4063	Wayne 16% Finishing Feed (198) Medicated	10.15	16.00	17.94	4.00	4.54	3.50	2.60	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.0025%; found, 0.0021%. Nicarbazin: Guar., 0.01%; found, 0.0092%.
2858	Wayne Fitting Ration	15.61	13.00	15.45	3.00	2.91	8.50	7.49	.....
2095	Wayne Horse Feed	14.35	9.00	11.75	2.50	3.29	12.00	7.76	.....
2846	Wayne Mink Meal	9.31	20.00	22.50	2.00	3.29	5.00	3.20	.....
2845	Wayne Pork Maker	10.60	14.00	18.00	3.00	4.34	8.00	5.51	.....
4712	Wayne Poultry Worming Mixture	9.66	20.00	21.25	3.00	2.96	5.00	3.58	Nicotine Alkaloid: Guar., 0.046%; found, 0.042%.
2096	Wayne Rabbit Ration	12.16	17.00	18.75	2.00	3.28	15.00	11.18	.....
4477	Wayne Rocket Broiler Finisher (196) Medicated	8.96	19.00	20.63	5.00	5.10	2.50	3.25	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0084%. Nicarbazin: Guar., 0.01%; found, 0.0112%.
4061	Wayne Rocket Broiler Starter (186) Medicated	9.29	23.00	24.31	5.00	5.69	2.50	2.03	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0047%. Nicarbazin: Guar., 0.01%; found, 0.011%.
2097	Wayne Sweet Bulky Feed	12.21	12.00	14.88	1.50	2.34	15.00	12.56	.....
2094	Wayne Test Cow Ration	11.96	16.00	17.75	4.00	4.54	9.00	8.23	.....
2098	Wayne Universal Egg	13.47	18.00	19.75	4.00	4.84	4.00	4.03	.....
2860	Wayne Universal Grower	10.31	16.00	20.38	3.50	5.17	4.50	4.49	.....
3418	Wayne Universal Turkey Grower	10.16	18.00	20.50	3.50	5.29	5.00	4.57	.....
4713	Wayne Universal Turkey Grower (240) Medicated	9.07	18.00	19.13	3.50	4.03	5.00	4.43	2-Acetylaminio-5-Nitrothia- zole: Guar., 0.05%; found 0.037%.
2184	Almonte Flour Mills Ltd., Almonte, Canada Shorts	14.41	16.00	16.63	5.00	4.64	8.00	5.26	.....
2859	American Crystal Sugar Co., Denver, Colo. Dried Beet Pulp with Beet Molasses	14.69	8.50	9.93	0.30	1.00	19.00	15.02	.....
2847	Plain Dried Beet Pulp	14.61	8.00	9.06	0.30	0.47	22.00	18.48	.....

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)		Fat		Fiber		Medicant	
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than		Found
Pounds per hundred (or per cent)									
American Maize-Products Co., New York, N. Y.									
3261	Amazo Gluten Meal.....	9.01	41.00	44.75	1.00	2.53	6.00	2.96	
2977	Cream of Corn Gluten Feed.....	11.79	21.00	24.13	2.00	2.79	9.50	7.17	
Archer-Daniels-Midland Co., Minneapolis, Minn.									
2676	Archer Quality 34% Protein Linseed Oil Meal Solvent Extracted.....	10.94	34.00	34.75	0.50	1.29	10.00	8.96	
1898	Archer Quality 44% Protein Solvent Extracted Soybean Oil Meal.....	12.86	44.00	47.06	0.50	0.84	7.00	5.35	
B & W Canning Co., Inc., Groveland, Fla.									
2467	"B'n W" Brand Dried Citrus Pulp .	9.21	6.00	6.38	3.00	4.44	13.00	10.04	
E. R. Bacon Grain Co., Boston, Mass.									
1931	Bacon's Corn Gluten Feed.....	10.42	23.00	24.75	2.00	3.01	10.00	7.60	
3341	Bacon's Corn Gluten Feed.....	5.71	23.00	25.63	2.00	3.23	10.00	8.17	
E. W. Bailey & Co. Inc., Montpelier, Vt.									
2829	Bailey's Corn Gluten Feed.....	9.26	21.00	24.63	1.00	1.95	10.00	8.87	
2827	Bailey's Soybean Meal.....	10.19	44.00	43.63	0.50	1.00	7.00	7.89	
Barber & Bennett, Inc., Albany, N. Y.									
2428	12% Fitting & Calf Grain Ration...	11.82	12.00	14.25	3.00	3.09	8.50	6.63	
2733	Fort Orange All Mash Layer.....	10.75	16.50	18.25	4.00	4.54	4.00	3.79	
2427	Fort Orange Breeders Mash.....	10.34	21.00	22.50	4.50	4.79	4.00	3.61	
2426	Fort Orange Calf Starter & Grower..	10.56	18.00	18.25	3.00	3.87	8.00	6.22	
2732	Fort Orange Golden Test Ration....	12.31	18.00	17.63	4.00	3.42	8.50	6.97	
2429	Fort Orange Horse Feed.....	11.11	14.00	15.50	3.00	3.45	0.00	7.77	
2422	Fort Orange Laying Mash.....	10.69	20.00	20.50	4.00	4.04	4.00	3.97	

The Beacon Milling Co., Inc., A Division of Spencer Kellogg & Sons, Inc., Cayuga, N. Y.									
3090	Auburn "16" Dairy Ration.....	10.41	16.00	18.63	3.00	4.02	10.00	7.17	.....
2073	Auburn "20" Dairy Ration.....	9.29	20.00	20.48	3.00	1.44	10.00	6.28	.....
2069	Beacon Balancer Pellets.....	11.93	20.00	19.63	3.00	3.92	6.00	5.70	.....
3086	Beacon Broiler Finisher.....	10.42	20.00	22.63	5.00	5.34	3.50	2.62	.....
1883	Beacon C-C Pellets.....	10.56	15.00	15.69	4.50	9.24	5.00	4.30	Sulphur: Guar., 5%; found, 6.05%.
2651	Beacon Calf Grower.....	9.61	14.00	17.75	3.50	3.90	9.00	8.82	.....
3203	Beacon Calf Starter.....	10.50	19.00	21.19	3.50	3.46	7.00	6.30	.....
3409	Beacon Complete Starter.....	9.57	22.00	22.06	4.00	4.88	5.00	2.97	.....
2066	Beacon Dairy Fitting.....	12.69	14.00	14.63	3.25	3.60	9.00	8.69	.....
2473	Beacon "15" Dairy Ration.....	10.99	15.00	15.75	4.00	3.91	9.00	6.59	.....
2166	Beacon "16" Dairy Ration.....	14.81	16.00	17.63	3.50	3.74	9.00	7.56	.....
3029	Beacon "20" Dairy Ration.....	11.86	20.00	20.75	3.25	3.95	9.00	7.17	.....
2639	Beacon "22" Egg Mash.....	9.46	22.00	21.81	4.75	5.27	5.00	4.05	.....
3088	Beacon Goat Ration.....	12.06	16.00	18.13	3.00	3.84	10.00	7.09	.....
2072	Beacon Grower All-Mash.....	15.06	16.00	16.31	4.50	4.84	6.00	4.91	.....
2635	Beacon Horse Feed.....	9.36	13.00	13.88	3.00	3.56	9.00	8.79	.....
3083	Beacon Keep Sweet Silage Preservative.....	10.86	4.00	6.94	2.50	1.15	20.00	19.24	.....
2636	Beacon Market Egg All-Mash.....	9.96	17.00	18.25	4.75	5.59	4.50	3.68	.....
1847	Beacon Nicarbazin, Arsanilic Acid Mix—Mixed with Beacon Broiler Finisher.....	12.64	20.00	20.44	5.00	6.29	3.50	2.73	Nicarbazin: Guar., 0.010%; found, 0.0104%. Arsanilic acid: Guar., 0.0090%; found, 0.0093%.
1844	Beacon Nicarbazin, Arsanilic Acid Mix—Mixed with Beacon Starter- Broiler.....	11.94	23.00	24.13	5.00	6.98	4.00	2.80	Nicarbazin: Guar., 0.010%; found, 0.0106%. Arsanilic acid: Guar., 0.0090%; found, 0.0095%.
4475	Beacon Nicarbazin Mix—Mixed with Beacon Complete Starter.....	10.10	22.00	22.13	4.00	5.04	5.50	3.43	Nicarbazin: Guar., 0.010%; found, 0.0108%.
1848	Beacon Nicarbazin Mix—Mixed with Beacon Poultry Gro-Finisher.....	12.32	20.00	21.31	4.50	5.88	4.00	2.98	Nicarbazin: Guar., 0.0125%; found, 0.0112%.
4614	Beacon 4-Nitrophenylarsonic Acid Mix—Mixed with Beacon Turkey Grower.....	11.34	22.00	22.50	3.50	3.94	5.75	3.43	4-Nitrophenylarsonic Acid: Guar., 0.0375%; found, 0.0365%.
3410	Beacon Starter-Broiler.....	9.31	23.00	23.25	5.00	5.49	4.00	2.66	.....
2474	Beacon "14" Test Cow Ration.....	13.76	14.00	15.06	4.00	4.38	9.00	6.64	.....

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (x 6.25)				Fat		Fiber		Medicant
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found		
Pounds per hundred (or per cent)										
The Beacon Milling Co., Inc., A Division of Spencer Kellogg & Sons, Inc., Cayuga, N. Y.—Cont'd.										
3087	Beacon "16" Test Cow Ration.....	10.31	16.00	18.75	4.00	4.36	9.00	7.17		
2170	Beacon "18" Test Cow Ration.....	14.01	18.00	19.19	4.00	4.11	9.00	7.72		
2640	Beacon "22" Turkey & Game Bird Grower.....	9.19	22.00	22.81	3.50	4.17	5.75	3.85		
3408	Beacon Turkey Finisher All-Mash...	10.22	18.00	19.81	4.00	4.52	5.50	3.77		
3089	Beacon "20" Turkey Grower.....	10.51	20.00	21.75	3.50	3.69	5.50	4.44		
4703	Beacon Worm Mash.....	11.46	20.00	20.38	3.50	4.19	5.75	3.93	Phenothiazine: Guar., 0.50%; found, 0.33%.	
									Nicotine: Guar., 0.07%; found, 0.078%.	
3084	Be-Co-Grower.....	11.00	15.00	16.75	3.00	4.19	6.75	5.29		
3204	Be-Co-Lass.....	10.41	11.00	11.19	2.00	2.85	13.00	10.35		
3085	Be-Co-Layer.....	11.86	16.00	17.63	3.00	3.64	6.00	5.38		
3205	Be-Co-Nurse Milk Replacer.....	9.56	24.00	25.38	10.00	10.24	0.25	0.10		
The Berkman Grain Co., North Franklin, Conn.										
4364	Nibco Booster Crumbles.....	10.46	20.00	21.00	2.50	4.39	4.50	5.00	Furazolidone: Guar., 0.011%; found, 0.0102%.	
									Nicarbazin: Guar., 0.010%; found, 0.0032%.	
									Chlortetracycline Hydro- chloride: Guar., 0.011%; not determined.	
2164	Nibco Crate Fattener.....	15.66	14.00	14.13	3.50	3.57	4.00	6.01		
3025	Nibco Crate Fattener.....	11.11	14.00	14.88	3.50	3.98	4.00	4.07		
2163	Nibco 18% Dairy Ration.....	15.48	18.00	16.81	4.00	3.79	8.00	6.81		

4365	Nibco Five Star Super Starter 24%	11.27	24.00	22.81	5.00	5.42	2.50	2.23	Nicarbazin: Guar., 0.010%; found, 0.0114% 3-Nitro-4-hydroxyphenyl- arsonic acid: Guar., 0.005% found, 0.0053%.
3879	Nibco Five Star Weight Maker.....	8.93	20.00	20.38	4.50	5.30	2.50	3.06	3-Nitro-4-hydroxyphenyl- arsonic acid: Guar., 0.005% found, 0.0052%.
4366	Nibco Five Star Weight Maker.....	11.51	20.00	20.00	4.50	5.44	2.50	2.10	3-Nitro-4-hydroxyphenyl- arsonic acid: Guar., 0.005% found, 0.0054%. Nicar- bazin: Guar., 0.010% found, 0.0118%.
2139	Nibco High Energy Breeder Mash...	12.82	16.00	16.25	3.50	4.11	5.00	3.85	
2138	Nibco High Energy Laying & Grow- ing Mash.....	12.59	16.00	16.38	3.00	3.94	4.00	3.15	
3067	Nibco High Energy Laying & Grow- ing Mash.....	10.88	16.00	17.44	3.00	3.95	4.00	3.95	
The Bloomfield Farmers' Exchange Inc., Bloomfield, Conn.									
3141	Bloomfield 16% Dairy Ration.....	10.27	16.00	17.56	3.50	3.54	8.00	7.62	
3143	Bloomfield 16% Dairy Ration.....	11.65	16.00	16.19	3.50	3.49	8.00	6.22	
The Borden Co., Special Products Div., New York, N. Y.									
2959	Flaydry Poultry Feed Supplement...	10.21	24.00	30.13	1.50	2.70	7.00	6.21	
2202	Special Formula Number 1384 Poul- try Feed Supplement.....	11.11	45.00	45.25	1.00	2.50	7.00	4.48	
Bremco Alfalfa Mills, Inc., New Bremen, Ohio									
3152	Alfalass.....	11.76	11.00	11.31	1.50	1.26	30.00	24.30	
2828	Alfalfa Meal.....	8.90	17.00	17.13	1.50	3.09	27.00	25.19	
L. Broder & Co. Inc., Colchester, Conn.									
2394	L. B. 16% Dairy Ration.....	10.86	16.00	15.50	3.50	3.40	8.00	6.99	
Brooklawn Grain & Feed Co., 321 Sylvan Ave., Bridgeport, Conn.									
2830	Brooklawn Egg Mash.....	9.15	18.00	21.94	4.00	4.34	6.00	5.17	
1919	Brooklawn 14% Ration.....	14.06	14.00	15.63	3.50	2.92	9.00	6.25	
1918	Brooklawn Sweet Mix.....	13.15	16.00	14.38	3.50	2.69	9.00	6.89	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Moist-ure	Protein (N x 6.25)		Fat		Fiber		Medicant
			Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found	
			Pounds per hundred (or per cent)						
Brown-Forman Distillers Corp., Louisville, Ky.									
3334	Brown-Forman Corn Distillers Dried Solubles.....	7.36	24.00	28.75	8.00	7.02	4.00	3.26	
The Buckeye Cotton Oil Div. of The Buckeye Cellulose Corp., Cincinnati, Ohio									
2173	Buckeye 44% Protein Solvent Extracted Soybean Oil Meal.....	13.56	44.00	46.50	0.50	1.26	7.00	6.25	
3428	Buckeye 44% Protein Solvent Extracted Soybean Oil Meal.....	10.09	44.00	47.81	0.50	1.04	7.00	5.46	
Calvert Milling Co., Hoytville, Ohio									
2437	17% Dehydrated Alfalfa Meal.....	9.21	17.00	17.19	1.50	2.43	27.00	26.52	
The C. W. Campbell Co., Westerly, R. I.									
2967	Alfalfass.....	18.29	10.00	10.42	2.00	2.68	16.00	12.71	
2954	Best Pig & Hog Ration.....	10.34	15.00	22.88	4.00	5.14	8.00	6.49	
2956	Camco Horse Feed.....	17.30	10.00	10.00	3.00	3.00	10.00	6.58	
3443	Campbell's Sulfaquinoxaline Mixture Inc. in Egg-O Chick Starter & Broiler Ration.....	9.66	20.00	22.19	3.50	3.98	7.50	4.88	Sulfaquinoxaline: Guar., 0.0125%; found, 0.0112%.
2965	16% Coarse Dairy Ration.....	15.53	16.00	14.51	3.00	3.28	8.00	5.56	
2968	16% Dairy Ration.....	14.60	16.00	16.90	3.00	3.18	8.00	8.73	
3323	18% Dairy Ration.....	9.67	18.00	22.19	2.50	3.63	8.00	6.05	
2966	Economical Stock Feed.....	10.35	14.00	15.63	1.60	2.54	16.00	14.11	
2955	Egg-O Complete Layer.....	10.71	16.00	17.00	3.50	3.78	4.50	4.10	
2176	Egg-O Grower.....	11.81	20.00	20.88	3.50	4.39	6.00	5.54	
2969	Egg-O Laying Mash.....	10.42	20.00	22.13	3.50	4.87	6.00	4.51	
2177	12% Fitting Ration.....	14.66	12.00	13.31	3.00	3.62	9.00	7.26	
3324	14% Fitting Ration.....	8.73	14.00	16.75	4.00	4.04	9.00	6.51	

4068	Medicated Egg-O Special Broiler.....	11.12	23.00	23.38	4.00	4.49	2.75	2.03	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0046%. Nicarbazin; Guar., 0.0125%; found, 0.0136%.
4069	Medicated Egg-O Special Broiler-Finisher.....	10.81	19.50	19.06	4.00	4.41	2.75	1.98	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.003%; found, 0.0037%. Nicarbazin; Guar., 0.01%; found, 0.0102%.
4070	Medicated Egg-O Special Broiler Prime Finisher.....	10.46	15.00	16.06	3.75	4.50	2.75	2.05	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.002%; found, 0.0018%. Nicarbazin; Guar., 0.006%; found, 0.0066%.
2175	Sheep & Goat Feed.....	13.42	15.00	18.00	3.00	3.08	9.00	6.37	
The A. B. Caple Co., Toledo, Ohio									
2782	Alfalfa Stem Meal.....	11.99	9.00	8.75	0.80	1.39	40.00	30.05	
2800	17% Capex Dehydrated Alfalfa Meal	6.55	17.00	17.38	2.00	2.34	27.00	22.62	
Cargill, Incorporated, Minneapolis, Minn.									
1930	Cargill, Inc. 34% Protein Solvent Extracted Linseed Oil Meal.....	13.37	34.00	34.38	0.50	1.69	10.00	9.83	
3322	Cargill, Inc. 44% Protein Solvent Extracted Soybean Oil Meal.....	9.07	44.00	46.75	0.50	1.57	7.00	6.79	
Carling Brewing Co., Cleveland, Ohio									
1893	Carling Dried Brewers Grains.....	10.12	26.00	30.50	5.00	5.45	15.00	13.15	
Central Conn. Co-operative Farmers' Ass'n. Inc., Manchester, Conn.									
3260	Honest Brand Aureomycin Mix 100 grams.....	10.93	18.00	19.00	3.00	3.29	4.00	4.04	
2799	Honest Brand Aureomycin Mix 200 grams.....	12.26	18.00	19.25	3.00	3.26	4.00	3.86	
2188	Honest Brand Breeder Mash.....	14.02	20.00	20.19	4.00	3.64	7.50	3.80	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)			Fat		Fiber		Medicant	
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found		
Pounds per hundred (or per cent)										
Central Conn. Co-operative Farmers' Ass'n. Inc., Manchester, Conn.—Cont.										
2797	Honest Brand Complete Breeder Pel- lets.....	10.76	16.00	17.13	3.00	3.29	5.00	3.01		
2187	Honest Brand Complete Ration High Energy Growing Mash.....	13.92	15.00	15.69	3.00	3.63	4.00	3.03		
1826	Honest Brand Complete Ration High Energy Growing Mash with Sulta- quinoxaline.....	14.20	15.00	15.88	4.00	3.94	3.00	3.00	Sulfaguinoxaline: Guar., 0.0150%; found, 0.0180%.	
2189	Honest Brand Complete Ration High Energy Laying Mash.....	14.29	15.00	15.06	3.00	3.24	4.00	3.00		
2798	Honest Brand Nu Weigh Hi Broiler Finisher Mash.....	11.61	18.00	20.00	2.00	3.33	6.50	3.03		
1866	Honest Brand Nu Weigh Hi Broiler Mash with Nicarbazin.....	12.86	20.00	20.00	3.00	3.19	4.00	2.95	Nicarbazin: Guar., 0.0125%; found, 0.0115%.	
1825	Honest Brand Nu Weigh Hi Starter Mash with Sulfaguinoxaline.....	13.72	20.00	22.25	3.00	3.44	4.00	3.11	Sulfaguinoxaline: Guar., 0.0175%; found, 0.0171%.	
Central Soya Co., Inc., Ft. Wayne, Ind.										
2978	Forty-Four.....	11.45	44.00	44.13	0.50	0.99	7.00	5.74		
2182	Thrifty-Fifty.....	12.04	50.00	50.44	0.50	0.99	3.00	2.71		
S. J. Cherry & Sons Ltd., Preston, Canada										
2960	Wheat Bran.....	15.81	14.00	14.39	3.50	4.18	11.50	9.30		
3284	Wheat Shorts.....	11.06	13.00	15.81	5.00	5.44	8.00	6.16		
Citrus Feed Co., Lakeland, Fla.										
2615	Florida Crest All Sweet Dried Citrus Pulp.....	9.65	6.00	5.94	3.00	3.69	11.00	9.07		

2654	Florida Crest All Sweet Dried Citrus Pulp.....	10.16	6.00	6.75	2.50	2.27	11.00	9.94	.....
3216	Fosgate's Ace High All Sweet Dried Citrus Pulp (Late Season Production).....	8.96	6.00	7.56	2.50	1.88	11.00	10.15	.....
Clinton Corn Processing Co., Clinton, Iowa									
2409	Clinton 21% Protein Corn Gluten Feed.....	11.76	21.00	25.00	1.00	1.88	10.00	8.79	.....
2826	Clinton 41% Protein Corn Gluten Meal.....	9.78	41.00	39.13	1.00	1.54	6.00	3.96	.....
Clyde Milling Corp., Clyde, N. Y.									
2205	Clyde 16.....	13.02	16.00	17.63	3.50	3.09	9.00	7.90	.....
3258	Clyde C-M-C 30 Dairy Mixing Ration	9.88	30.00	28.50	2.50	2.59	11.00	9.70	.....
2207	Clyde Booster 16 Dairy Ration.....	12.93	16.00	18.00	3.50	3.17	9.50	10.14	.....
1850	Clyde Broiler Pre-Starter Medicated	11.16	24.00	24.25	7.00	10.45	3.50	2.43	Nicarbazin: Guar., 0.01%; found, 0.010%.
1851	Clyde Chick Starting Mash Medicated.....	11.87	20.00	22.06	4.50	5.19	4.50	4.40	Nicarbazin: Guar., 0.010%; found, 0.0095%.
2126	Clyde Complete Layer & Grower Mash.....	13.79	16.00	16.06	3.00	3.02	5.00	5.95	.....
2127	Clyde Complete Rabbit Pellets.....	12.63	15.00	15.75	3.00	3.34	12.00	10.29	.....
2206	Clyde Dry & Freshening Ration.....	12.66	14.00	14.38	3.50	3.58	8.00	7.46	.....
1852	Clyde H-E Broiler Ration Medicated	11.56	21.50	21.50	4.50	4.95	3.50	3.28	Arsanilic Acid: Guar., 0.0090%; found, 0.0095%.
4466	Clyde H-E Broiler Ration Medicated	9.86	21.50	21.50	4.50	4.83	3.50	3.40	Nicarbazin: Guar., 0.010%; found, 0.0092%.
2211	Clyde H-E Complete Breeder Mash.	10.61	16.50	17.88	4.50	4.19	4.50	4.36	Arsanilic acid: Guar., 0.0090%; found, 0.0088%.
3220	Clyde Horse Feed.....	9.31	10.00	12.81	2.50	4.03	10.00	7.81	Nicarbazin: Guar., 0.010%; found, 0.0090%.
3254	Clyde Life Span 15.....	10.46	15.00	15.25	4.00	4.02	8.00	7.79	.....
3256	Clyde Life Span 18.....	10.22	18.00	20.44	3.50	3.56	8.00	7.95	.....
2124	Clyde Market Egg Mash.....	13.67	20.00	20.94	3.00	3.54	6.00	5.16	.....
1915	Clyde Meat Bird Finisher.....	13.76	18.00	18.69	4.50	3.99	4.00	3.40	.....

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)		Fat		Fiber		Medicant	
		Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found		
Pounds per hundred (or per cent)									
Clyde Milling Corp., Clyde, N. Y.— <i>Cont.</i>									
1849	Clyde Meat Bird Finisher Pellets Medicated.....	12.25	18.00	18.06	4.50	3.19	4.00	3.55	Arsanilic acid: Guar., 0.0090%; found, 0.0068%. Nicarbazin: Guar., 0.01%; found, 0.0096%. Antibiotics guaranteed; not determined.
3130	Clyde Medicated Hi-Level Mash....	10.47	20.00	20.50	4.00	3.85	5.00	4.26	
2208	Clyde Milky Las 15 Dairy Ration...	11.65	15.00	15.69	3.50	2.84	12.00	9.21	
3198	Clyde Pig & Sow Ration.....	11.83	18.00	17.63	3.00	3.93	6.00	4.74	
1884	Clyde Poultry Wormer.....	11.51	18.00	20.63	3.00	4.86	5.50	4.53	Phenothiazine: Guar., 0.280%; found, 0.075%. Nicotine: Guar., 0.056%; found, 0.046%. 4-Nitrophenylarsonic acid: Guar., 0.0375%; found, 0.0240%.
3257	Clyde Taste Station Pellets.....	9.41	14.00	15.94	3.50	3.54	4.50	5.23	
1914	Clyde Test Cow 16.....	13.72	16.00	16.00	4.00	3.60	8.00	8.59	
2125	Clyde Test Cow 20.....	13.65	20.00	20.44	3.50	3.43	8.50	7.82	
4615	Clyde Turkey Grower Medicated....	10.86	22.00	22.13	4.00	4.06	5.50	4.40	4-Nitrophenylarsonic acid: Guar., 0.0375%; found, 0.0240%.
2620	Connecticut Valley 16 Dairy Ration.	10.82	16.00	18.31	3.50	2.74	9.50	8.98	
2203	Corn Gluten Feed.....	10.75	21.00	25.00	1.00	1.44	10.00	6.70	
3006	Dewhurst's 16% Dairy Ration.....	10.83	16.00	17.50	4.00	3.84	8.50	7.88	
3271	Dewhurst's 16% Dairy Ration.....	10.50	16.00	18.00	4.00	4.39	8.50	8.48	
1912	Dried Apple Pomace.....	11.13	5.00	5.69	3.50	5.39	19.00	16.64	
3219	Dried Brewers Grains.....	7.61	26.00	23.13	6.00	6.44	15.00	13.25	
3259	Hominy Feed.....	9.78	11.00	12.69	5.00	7.23	6.00	5.51	
2212	Linseed Oil Meal Solvent Extracted.	11.86	34.00	35.56	2.50	0.59	9.00	9.25	
3255	New England 16 Dairy Ration.....	9.23	16.00	17.50	3.50	3.52	10.00	9.59	
2204	Soybean Oil Meal Solvent Extracted	11.96	44.00	45.13	0.50	1.08	7.00	6.00	

2718	Warren's Dairy Fitting Ration.....	9.94	12.00	13.94	3.00	3.17	10.00	9.65	.....
2717	Warren's Laying Mash.....	11.68	20.00	20.00	3.00	2.89	6.50	5.62	.....
3253	Wheat Bran.....	10.76	15.00	17.56	3.50	4.71	10.00	9.33	.....
2213	Wheat Standard Middlings.....	12.66	16.00	17.50	4.00	4.62	8.00	7.70	.....
2734	Colby Cooperative Starch Co., Caribou, Maine Co-Star Brand Dried Potato Pulp...	9.96	7.00	7.88	0.30	0.19	9.50	8.70	.....
2622	Community Service, Inc., Canaan, Conn. Community Service 16% Dairy Ration.....	10.34	16.00	17.75	3.50	3.54	10.00	6.16	.....
3171	Community Service 18% Dairy Ration.....	11.16	18.00	21.75	4.00	3.92	10.00	7.30	.....
2624	Community Service Fitting Ration..	11.56	14.00	15.50	3.50	3.59	9.00	6.22	.....
3276	Connecticut Bi-Products, Columbia, Conn. Hydrolyzed Poultry Feathers.....	7.38	85.00	90.50	0.50	2.94	1.50	0.53	.....
3277	Poultry By-Product Meal.....	4.53	55.00	58.63	8.00	16.38	3.00	1.09	.....
2766	Consolidated Blenders, Inc., Fremont, Nebr. 17% Dehydrated Alfalfa Meal with Animal Fat Merry Mixer Greenules	9.96	17.00	16.50	1.50	3.54	27.00	26.91	.....
2787	Consolidated Products Co., Danville, Ill. "Consolidated's" Dried Whole Whey	5.26	12.00	12.63	0.50	1.63	.....	.....	.....
1902	Consolidated Rendering Co., Boston, Mass. Corenco 47% Meat & Bone Scrap...	11.84	47.00	46.98	6.00	9.72	2.00	1.30	.....
3282	Corenco 60% Meat & Bone Scrap...	7.50	60.00	62.94	6.00	10.04	.....	.....	.....
2804	Continental Distilling Corp., Philadelphia, Pa. 25% Corn Distillers Dried Grains...	8.26	25.00	27.88	8.00	11.19	15.00	7.28	.....
2380	Corn Products Refining Co., New York, N. Y. Buffalo Brand 21% Protein Corn Glu- ten Feed.....	9.61	21.00	23.13	1.00	1.91	10.00	9.44	.....
2194	Diamond Brand Corn Gluten Meal..	10.56	41.00	41.75	1.00	2.67	6.00	5.40	.....
3412	C. A. Cowlles, Inc., Plantsville, Conn. Blue C Feed 16% Dairy Ration....	10.16	16.00	16.50	3.00	4.14	9.00	8.15	.....
2852	Blue C Feed 20% Dairy Ration.....	12.76	20.00	20.99	3.00	4.03	10.00	8.30	.....

1819	Wirthmore Chick Starter 400 Medicated.....	12.74	20.00	22.88	4.00	4.82	5.00	4.58	Sulfaquinoxaline: Guaranteed, 0.0175%; found, 0.0188%.
2465	Wirthmore Coarse Test Dairy Ration	11.24	16.00	17.81	4.00	4.29	9.00	8.27	
3455	Wirthmore Coccidiosis Treatment Ration.....								
3179	Wirthmore Complete Breeder Ration.....	9.29	22.00	23.44	5.50	6.11	4.00	2.99	Sulfaquinoxaline: Guaranteed, 0.1%; found, 0.0935%.
1891	Wirthmore Complete Egg Ration...	11.73	15.00	16.19	3.50	4.74	6.00	4.91	
3459	Wirthmore Complete Egg Ration 412 Medicated.....	12.81	15.00	18.06	3.50	4.58	5.50	5.07	
									Sulfaquinoxaline: Guaranteed, 0.0125%; found, 0.0112%.
1937	Wirthmore Complete Growing Ration	9.14	16.00	17.19	3.50	4.34	5.00	4.11	
3066	Wirthmore Complete Growing Ration	12.86	13.50	18.75	3.00	5.41	7.00	8.53	
3406	Wirthmore Complete Turkey Breeder Ration.....	11.26	13.50	17.31	3.00	3.33	7.00	4.50	
2165	Wirthmore Complete Turkey Fattening Ration.....	10.21	18.00	20.56	3.50	4.11	6.00	4.66	
4619	Wirthmore Complete Turkey Fattening Ration 443 Medicated.....	13.71	16.00	17.63	4.00	4.49	5.00	4.08	4-Nitrophenylarsonic acid: Guaranteed, 0.025%; found, 0.0180%.
3405	Wirthmore Complete Turkey Growing Ration.....	11.34	16.00	17.19	4.00	5.44	5.00	4.53	
4618	Wirthmore Complete Turkey Growing Ration 442 Medicated.....	9.63	18.00	20.31	4.00	4.64	5.50	4.96	4-Nitrophenylarsonic acid: Guaranteed, 0.025%; found, 0.0212%.
2335	Wirthmore 16 Dairy Feed.....	11.82	18.00	19.81	4.00	5.67	5.50	4.88	
2641	Wirthmore 20 Dairy Feed.....								
2192	Wirthmore 14 Dairy Fitting Feed...	10.81	16.00	18.75	3.50	3.92	9.00	8.49	
3020	Wirthmore 36% Dairy Mixing Feed...	9.21	20.00	20.00	3.50	3.61	9.00	8.35	
1935	Wirthmore 16 Dairy Record Feed...	13.11	14.00	15.81	3.50	3.68	8.50	7.01	
2653	Wirthmore 18 Dairy Record Feed...	10.52	36.00	33.56	2.50	3.36	9.00	8.10	
2349	Wirthmore 32 Dairy Supplement....	13.94	16.00	19.44	3.50	4.39	8.50	8.10	
1910	Wirthmore Fattening Pellets.....	10.40	18.00	18.38	3.50	3.77	8.50	7.78	
3461	Wirthmore Fattening Pellets 460 Medicated.....	10.50	32.00	33.31	2.50	2.49	9.00	8.00	
2642	Wirthmore Fodder Greens.....	14.36	17.50	19.88	4.00	5.09	4.50	3.72	Nicarbazin: Guaranteed, 0.01%; found, 0.0095%.
1936	Wirthmore Green Mountain 14.....	9.82	17.50	18.81	4.00	4.48	4.50	3.57	
2352	Wirthmore Green Mountain 16.....	10.19	9.00	10.88	2.00	1.99	18.00	16.94	
		14.41	14.00	16.75	3.25	3.94	10.00	9.19	
		10.14	16.00	16.81	3.25	3.59	10.00	9.16	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Moist- ure	Protein (N x 6.25)		Fat		Fiber		Medicant
			Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found	
Pounds per hundred (or per cent)									
Chas. M. Cox Co., Boston, Mass.—Cont.									
2464	Wirthmore Green Mountain 20	11.46	20.00	21.31	3.25	3.09	10.00	8.67	.....
1897	Wirthmore Grow & Egg Mash	12.11	20.00	21.00	4.00	5.12	5.00	4.62	.....
1895	Wirthmore Hi-Ener-G 16 Pellets	14.43	16.00	18.44	4.00	4.55	4.50	3.70	.....
1816	Wirthmore Hi-Ener-G 16 456 Medi- cated	13.59	16.00	16.13	4.00	4.28	4.50	4.34	Sulfaquinoxaline: Guar., 0.0125%; found, 0.0120%.
1941	Wirthmore Hi-Ener-G Breeder	12.29	16.00	17.56	3.50	4.72	4.50	4.28	.....
1940	Wirthmore Hlog Grower	12.77	15.00	18.44	4.00	4.54	6.00	5.51	.....
2342	Wirthmore Horse Feed	11.91	10.00	9.69	3.50	3.54	9.00	6.81	.....
1861	Wirthmore Improved Hi-Ener-G Broiler Ration 403 Medicated	12.54	22.00	24.31	5.50	5.11	3.50	3.16	Nicarbazin: Guar., 0.01%; found, 0.0114%.
1838	Wirthmore Improved Hi-Ener-G Broiler Ration 404 Medicated	13.21	22.00	26.88	5.50	5.97	3.50	3.31	Nicarbazin: Guar., 0.01%; found, 0.0114%. Sodium Arsanilate: Guar., 0.0088%; found, 0.0091%.
3065	Wirthmore Improved Hi-Ener-G Starter & Broiler Ration	10.69	22.00	23.63	5.50	5.78	3.50	2.66	.....
4359	Wirthmore Medicated Broiler Perk	10.15	22.00	24.00	5.50	5.84	4.00	3.28	Furazolidone: Guar., 0.011%; found, 0.010%.
3457	Wirthmore Medicated Turk-E-Perk	9.46	30.00	32.06	4.00	4.29	5.50	4.83	Nicarbazin: Guar., 0.0125%; found, 0.0152%. Antibiotics guaranteed; not determined.
1876	Wirthmore Medicated Turk-E-Treat	11.11	23.00	25.19	3.50	4.49	6.00	3.86	Furazolidone: Guar., 0.011%; found, 0.016%.
									Sulfaquinoxaline: Guar., 0.0175%; found, 0.0025%.
									Furazolidone: Guar., 0.0165%; found, 0.0143%. Antibiotic guaranteed; not determined.

3001	Wirthmore Pig & Sow Feed.....	9.76	17.00	18.75	3.50	4.33	6.00	5.27	Nicarbazin: Guar., 0.0125%; found, 0.0116%. Sodium
4358	Wirthmore Plus 2M Broiler Feed 452 Medicated.....	10.51	23.00	24.63	7.00	6.06	3.50	2.83	Arsanilate: Guar., 0.0088%; found, 0.0090%.
2136	Wirthmore Poultry Fitting.....	15.09	11.50	11.69	2.50	2.43	6.50	5.05	.....
2436	Wirthmore Poultry Flush.....	10.66	15.00	17.56	2.50	3.99	6.00	3.69	.....
4709	Wirthmore Poultry Wormer.....	10.59	17.50	20.50	4.00	5.39	4.50	4.43	Piperazine: Guar., 0.125%; found, 0.125%.
1981	Wirthmore Production Scratch.....	16.32	9.50	13.44	2.50	2.59	4.00	3.99	.....
1909	Wirthmore Rabbit Pellets.....	12.56	17.00	18.75	3.00	4.19	12.00	9.25	.....
2616	Wirthmore Sheep & Goat Ration....	10.79	16.00	18.75	3.50	3.84	8.50	7.50	.....
2137	Wirthmore Special Scratch Feed with Cracked Corn.....	14.79	9.50	9.31	2.50	2.59	4.00	2.22	.....
2191	Wirthmore Stock Feed.....	13.21	10.00	10.06	3.00	3.09	11.00	10.28	.....
2866	Wirthmore Super Pellets.....	10.66	23.00	23.25	3.50	4.38	5.50	5.41	.....
2434	Wirthmore Turkey Breeder Ration..	11.41	24.00	24.44	3.50	4.24	7.00	5.97	.....
2435	Wirthmore Turkey Growing Ration .	11.36	23.00	23.75	3.50	4.41	6.00	5.23	.....
4611	Wirthmore Turkey Growing Ration Medicated 441.....	11.42	23.00	22.81	3.50	4.29	6.00	5.25	4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0203%.
4610	Wirthmore Turkey Growing Ration Medicated 433.....	11.41	23.00	23.94	3.50	4.28	6.00	5.75	4-Nitrophenylarsonic acid: Guar., 0.05%; found, 0.0372%.
3458	Wirthmore Turkey Starter 419 Medi- cated.....	9.31	28.00	30.50	4.00	4.21	5.50	4.57	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0166%.
3273	Wirthmore Twin-Mix Calf Feed.....	10.59	18.00	22.56	3.00	3.59	8.00	6.50	.....
P. Cutler, Inc., Colchester, Conn.									
2128	Prosperity Dairy Ration.....	13.76	16.00	16.38	3.00	3.39	10.00	7.46	.....
2986	Prosperity Laying Mash.....	10.61	17.00	19.38	3.50	4.97	10.00	6.71	.....
2982	Prosperity Pig Feed.....	11.86	10.00	12.88	3.00	4.61	12.00	5.11	.....
2129	Prosperity Sweet Beetrus Mix.....	12.23	6.00	6.38	1.50	3.44	15.00	12.50	.....
Dairymen's League Co-operative Ass'n., Inc., Syracuse, N. Y.									
3285	Dairyalea Choice Feed Grade Dried Skim Milk.....	5.01	33.00	35.19	0.50	1.20	.....	.....	.....

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)		Fat		Fiber		Medicant
		Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found	
		Pounds per hundred (or per cent)						
	R. G. Davis & Sons, Inc., New Haven, Conn.							
1896	Davis 16% Dairy Ration.....	16.00	17.13	3.50	3.04	8.00	6.21	.....
2793	Davis 16% Dairy Ration.....	16.00	17.75	3.50	3.81	8.00	7.56	.....
1894	Davis Egg Mash.....	20.00	21.19	2.50	3.44	7.00	6.55	.....
2794	Davis 14% Fitting.....	14.00	16.38	3.50	3.97	8.50	6.94	.....
1899	Davis Horse Feed.....	9.00	9.62	2.00	3.48	10.00	6.99	.....
	Dawc's Laboratories, Inc., Chicago, Ill.							
1987	Dawc's Fermentation Flavonne.....	30.00	34.56	3.00	5.59	9.50	8.15	.....
3283	Dawc's Vitamelk (Ruminant Type).....	34.00	37.06	1.00	1.79	7.00	6.42	.....
1865	3-Nitro-4-Hydroxy Mixture Special Broiler Mix No. 571-D.....	.....	35.56	.....	3.65	.....	7.43	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.0198%; found, 0.1198%. Arsanilic acid not declared; found, 0.0170%.
3876	3-Nitro-4-Hydroxy Mixture Special Broiler Mix No. 571-D.....	.....	.....	.....	.....	.....	.....	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.198%; found, 0.177%.
3142	Dawnwood Farms, Amenia, N. Y. Dawnwood Farms Caf-Star.....	26.00	27.88	3.00	3.04	2.50	1.99	.....
2864	Decatur Milling Co. Inc., Decatur, Ill. Homco Hominy Feed.....	9.00	12.63	5.00	6.89	6.00	3.76	.....
3008	Delaware Mills, Inc., Deposit, N. Y. Connecticut Valley 16% Dairy Ration.....	16.00	16.81	3.50	4.02	9.00	7.66	.....
3007	Connecticut Valley Test Ration.....	16.00	17.00	4.00	4.91	8.00	7.34	.....
2130	Delaware Fitting Ration.....	14.00	17.00	3.00	3.49	11.00	8.56	.....
2979	Delaware Fitting Ration.....	14.00	16.25	3.00	3.53	11.00	8.69	.....

2681	Delaware Poultry Fitting Ration....	12.03	10.00	10.00	2.50	2.74	7.00	5.52	.....
2713	Delaware Scratch Grains.....	13.69	9.00	9.13	2.00	2.34	5.00	2.54	.....
2980	Delaware Sweet 16% Dairy Feed....	10.86	16.00	16.13	3.50	3.54	11.00	9.22	.....
2710	Warren's C and C Complete Laying Mash.....	10.41	15.00	18.50	3.00	4.45	6.00	5.80	.....
2714	Warren's C and C Laying Mash.....	10.47	20.00	20.56	3.00	3.49	7.50	6.80	.....
2682	Warren's Chick Starter.....	10.91	20.00	19.69	3.00	4.02	5.50	6.17	.....
3217	Warren's Complete Grower.....	9.24	15.50	18.44	3.50	4.79	7.50	7.08	.....
3221	Warren's Fitting Ration.....	9.42	14.00	15.25	3.00	3.03	11.00	10.70	.....
3222	Warren's Indian 16% Dairy.....	9.74	16.00	18.25	3.00	3.35	11.00	9.43	.....
2716	Warren's Laying Mash.....	10.51	20.00	21.88	3.50	3.67	7.50	7.23	.....
3223	Warren's 16% Test Ration.....	8.41	16.00	19.81	3.00	3.59	10.00	9.35	.....
3218	Warren's 20% Test Ration.....	9.78	20.00	20.69	3.50	3.04	10.00	9.06	.....
The Delphos Grain & Soya Products Co., Delphos, Ohio									
2801	44% Protein Soybean Oil Meal (Solvent Extracted).....	10.44	44.00	45.00	0.50	0.94	7.00	8.25	.....
Derby Feed Store, Derby, Conn.									
2765	Litsky's Hi-Energy All Mash Grower.....	10.48	16.00	17.75	3.50	4.12	4.00	4.29	.....
2764	Litsky's Hi-Energy All Mash Layer..	10.57	16.00	17.50	3.50	4.27	4.00	4.25	.....
2200	Litsky's Hi-Energy Layer.....	12.60	20.00	21.50	3.25	4.22	4.50	4.16	.....
1824	Litsky's Hi-Energy Starter-Broiler with Sulfaguinoxaline.....	13.52	20.00	24.00	3.50	3.69	4.00	4.07	Sulfaguinoxaline: Guar, 0.0175%; found, 0.0193%.
3438	Litsky's Hi-Energy Starter-Broiler..	10.34	20.00	22.13	3.50	3.86	4.00	4.06	Sulfaguinoxaline: Guar, 0.0175%; found, 0.0163%.
2193	Litsky's Sweet 16% Dairy Ration...	13.73	16.00	16.00	3.50	3.54	10.00	6.76	.....
Distillers Corporation Limited, Montreal, Canada									
2375	Distilco Corn Distillers' Dried Grains.....	7.04	25.00	25.00	8.00	8.89	12.00	8.43	.....
2646	Distilco Corn Distillers' Dried Grains.....	7.50	25.00	25.44	8.00	12.44	12.00	9.43	.....
Doughnut Corporation of America, Ellicott City, Md.									
2790	Domaco Winter Wheat Standard Middlings.....	12.44	14.50	16.38	4.25	4.66	7.50	8.07	.....
The Dover Milling Co., Dover, Ohio									
3429	Wheat Middlings with Mill Run Ground Wheat Screenings.....	10.41	14.75	19.75	3.18	5.18	6.75	6.20	.....

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)		Fat		Fiber		Medicant	
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than		Found
Pounds per hundred (or per cent)									
E. I. duPont deNemours and Company, Wilmington, Del.									
3345	DuPont Two-Sixty-Two Feed Com- pound.....	2.12	262.00	267.31	0.10	0.18	0.60	0.58	
Eastern States Farmers' Exchange, Inc., West Springfield, Mass.									
3872	All-Mash Breeder Medicated.....	10.46	16.00	17.31	4.00	5.04	4.00	3.67	Arsanilic acid: 7 Guar., 0.0099%; found, 0.0088%.
3871	Breeder Mash Medicated.....	9.70	22.00	23.44	5.00	5.13	5.00	4.28	Arsanilic acid: Guar., 0.0132%; found, 0.0118%.
2326	Calf Starter.....	11.10	20.00	21.31	3.00	3.49	6.00	5.08	
2613	Calving Ration.....	5.61	9.50	11.06	1.50	2.33	15.00	9.77	
1839	Cashmaker Medicated.....	12.42	16.00	19.13	5.00	5.43	4.00	3.46	Arsanilic acid: Guar., 0.0099%; found, 0.0115%.
1812	Cashmaker-WM Medicated.....	12.16	16.00	18.38	5.00	6.39	4.00	3.22	Arsanilic acid: Guar., 0.0099%; found, 0.0090%.
1878	Cattle Wormer.....	10.56	14.00	15.63	3.50	4.70	9.00	6.60	Sulfaguinoxaline: Guar., 0.0125%; found, 0.0105%.
2374	Champion.....	12.75	14.00	16.06	2.50	3.00	7.00	5.53	Phenothiazine: Guar., 0.45%; found, 0.36%.
2328	Class Leader.....	11.56	14.00	15.13	3.50	3.68	9.00	6.54	
3138	DFE (Drouth Forage Extender)....	10.24	12.00	15.63	2.00	2.43	15.00	11.23	
2612	Darimore.....	10.63	16.00	17.75	2.00	2.49	12.00	10.26	
4369	Finisher Medicated.....	10.47	17.00	18.75	5.00	5.29	4.00	3.20	Arsanilic acid: Guar., 0.0099%; found, 0.0080%.
2450	Fulpail.....	11.31	20.00	21.63	3.00	4.34	9.00	6.55	Nicarbazin: Guar., 0.0125%; found, 0.0134%.

3867	Goalmaker Medicated.....	9.74	16.00	18.00	5.00	5.34	4.00	3.76	Arsanilic acid: Guar., 0.0099%; found, 0.0118%.
1843	Matchmaker Medicated.....	11.53	22.00	22.38	4.50	5.29	5.00	4.25	Arsanilic acid: Guar., 0.0132%; found, 0.0120%.
1877	Medicated Defender.....	12.19	20.00	20.50	4.00	4.09	4.50	3.64	Furazolidone: Guar., 0.011%; found, 0.010%.
4465	Medicated Minuteman.....	8.76	20.00	21.44	4.00	4.04	4.00	3.88	Nicarbazin: Guar., 0.0125%; found, 0.0140%. Antibiotic guaranteed; not determined.
3451	Medicated Minuteman—SQ.....	9.14	20.00	21.88	4.00	5.11	4.00	3.74	Sulfaquinoxaline: Guar., 0.05%; found, 0.0444%.
1888	Medicated Sentinel.....	10.86	20.00	23.44	4.00	4.52	4.00	3.70	Antibiotic quaranteed; not determined.
2327	Milkmare.....	11.01	16.00	17.69	3.50	3.79	9.00	6.49	.....
2451	Milksaver.....	8.31	24.00	25.38	1.00	1.89	1.50	0.80	.....
1846	Pacemaker Medicated.....	12.26	20.00	21.50	5.00	5.78	4.50	3.60	Arsanilic acid: Guar., 0.0099%; found, 0.0095%.
4464	Pacemaker Plus Medicated.....	8.47	22.00	22.31	7.50	7.95	3.50	3.43	Nicarbazin: Guar., 0.010%; found, 0.0112%.
1840	Pig Primer Medicated.....	12.46	16.00	17.63	3.00	3.62	5.50	4.95	Arsanilic acid: Guar., 0.0099%; found, 0.0079%.
2329	Pork Builder.....	12.76	14.00	15.38	3.00	3.04	4.00	3.09	Nicarbazin: Guar., 0.0125%; found, 0.0134%.
2449	Porkmix.....	8.66	36.00	37.38	3.50	4.58	8.00	6.08	Arsanilic acid: Guar., 0.0099%; found, 0.0130%.
2325	Rabbettes.....	10.45	18.00	18.56	2.00	2.24	16.00	13.51	.....
3134	Supmix.....	11.24	36.00	35.88	1.50	1.89	8.00	7.31	.....
2372	Sweepstakes.....	12.26	16.00	17.75	3.00	3.34	8.00	5.86	.....
2373	Turkey Breeder Pellets.....	11.69	16.00	18.75	3.00	3.94	4.00	3.31	.....
2736	Turkey Finisher.....	10.38	16.00	19.38	4.00	4.35	4.00	3.65	.....
3162	Turkey Grower.....	10.84	20.00	22.75	3.00	3.29	5.00	4.45	.....
3437	Turkey Starter Medicated.....	10.36	28.00	29.75	3.00	3.96	5.00	4.18	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0188%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)				Fat		Fiber		Medicant
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found		
			Pounds per hundred (or per cent)							
Elmore Milling Co., Inc., Oneonta, N. Y.										
4356	Elmore Broiler Finisher Pellets (1N) Medicated.....	10.16	18.00	17.25	4.50	5.01	4.00	3.18	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0054%. Nicarbaza- zin: Guar., 0.0125%; found, 0.0018%.	
1863	Elmore Chixsaver (1N) Medicated..	12.17	20.00	23.13	3.00	3.39	5.00	4.96	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0053%. Nicarbazin: Guar., 0.0125%; found, 0.0140%.	
1821	Elmore Chixsaver (1S) Medicated...	13.11	20.00	22.88	3.00	4.16	5.00	4.78	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0046%. Sulfaguai- noxaline: Guar., 0.050%; found, 0.037%.	
3445	Elmore Chixsaver (1S) Medicated...	10.50	20.00	20.94	3.00	3.50	5.00	4.29	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0042%. Sulfaguai- noxaline: Guar., 0.0150%; found, 0.0126%.	
1820	Elmore Complete Growing Ration (1S) Medicated.....	14.21	15.00	19.44	3.00	3.63	5.00	5.03	Sulfaguinoxaline: Guar., 0.0150%; found 0.0163%.	
2667	Elmore Complete Market Egg Ration	12.41	16.00	18.75	3.00	3.94	5.00	4.46		
3246	Elmore Complete Rabbit Ration...	9.17	16.00	18.94	2.50	4.14	10.00	8.23		
3227	Elmore Complete Turkey Breeder Ration.....	9.15	15.00	20.13	3.00	4.52	6.00	5.13		
3023	Elmore Complete Turkey Growing Ration.....	11.76	17.00	18.38	3.00	4.03	5.00	4.11		

4612	Elmore Complete Turkey Growing Ration (1H) Medicated.....	11.81	17.00	19.38	3.00	3.54	5.00	4.40	4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0186%.
3460	Elmore Complete Turkey Growing Ration (1S) Medicated.....	9.14	17.00	18.94	3.00	4.94	5.00	5.55	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0162%.
3225	Elmore Dry & Freshening Ration...	11.07	12.00	17.81	3.50	4.09	9.00	6.74	
3430	Elmore Egg Mash.....	11.48	22.00	23.19	3.50	4.08	6.00	4.42	
2655	Elmore Fitting Ration 14%.....	9.01	14.00	15.63	3.50	4.62	8.00	6.68	
3245	Elmore Flaked Pelleted Calf Starter.	10.63	18.00	19.69	2.50	3.53	8.00	6.75	
4707	Elmore Game Bird Grower (1H) Medicated.....	9.34	20.00	19.63	3.00	4.21	8.00	4.98	4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0247%.
3452	Elmore Game Bird Grower (1S) Medicated.....	10.13	20.00	17.75	3.00	3.79	8.00	3.74	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0163%.
3243	Elmore Grand Champion Ration....	10.13	15.00	17.63	3.50	4.28	9.00	8.06	
3022	Elmore Growing Mash.....	10.41	18.00	20.63	3.00	4.11	6.00	4.91	
1823	Elmore Growing Ration (1S) Medicated.....	13.02	18.00	18.13	3.00	3.96	6.00	4.73	Sulfaquinoxaline: Guar., 0.0150%; found, 0.0141%.
2421	Elmore Horse Feed.....	7.19	9.00	10.33	3.00	2.52	11.00	4.23	Antibiotics quaranteed; not determined.
3129	Elmore Medicated High Antibiotic Picker-Upper Mash (2A).....	12.96	20.00	21.13	3.00	3.54	6.00	5.27	
635	Elmore Milk Grains "Sixteen".....	13.46	16.00	17.06	3.50	4.24	9.00	7.31	
2420	Elmore Milk Grains "Sixteen".....	11.79	16.00	18.19	3.50	3.84	9.00	7.78	
2668	Elmore Pacemaker 16% Dairy Ration...	11.83	16.00	15.63	2.50	3.18	10.00	10.23	
3239	Elmore Pacemaker Fitting Ration...	11.46	14.00	14.19	3.00	4.39	9.00	7.15	
3241	Elmore Pasture Ration.....	9.88	14.00	19.69	3.50	4.69	11.00	9.05	
3244	Elmore Poultry & Turkey Fitting Ration.....	11.44	12.00	12.00	3.00	2.89	8.00	5.64	
3240	Elmore Super Silage.....	10.17	11.00	14.50	2.00	2.07	18.00	18.87	
2419	Elmore Test Ration 16%.....	12.84	16.00	19.50	4.00	4.56	9.00	6.33	
3021	Elmore Test Ration 18%.....	11.66	18.00	19.00	4.00	5.39	9.00	6.66	
3024	Elmore Turkey Finisher (Fattener)...	9.81	16.00	22.25	4.00	5.79	5.00	5.54	
4613	Elmore Turkey Finisher (Fattener) (1H) Medicated.....	10.87	16.00	18.00	3.50	4.24	6.00	6.08	4-Nitrophenylarsonic acid: Guar., 0.001%; found, 0.0236%.
Eric Alfalfa Mills Inc., Erie, Mich.									
1378	Leafy Erie Brand Dehydrated Alfalfa Meal.....	8.56	17.00	18.63	1.75	1.80	27.00	27.82	Carotene: 39.6mg. lb.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Moist- ure	Protein (N x 6.25)		Fat		Fiber		Medicant
			Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found	
Pounds per hundred (or per cent)									
John W. Eshelman & Sons, Lancaster, Pa.									
1904	Conestoga 18 Dairy Feed.....	13.08	18.00	24.50	3.00	4.14	11.00	9.00	
3154	Lancaster 16 Dairy Feed.....	12.17	16.00	18.00	2.50	3.42	15.00	12.94	
2837	Lancaster Scratch Grains.....	10.66	9.00	11.25	2.00	2.67	4.00	3.20	
3153	Pennsy 16 Dairy Feed.....	10.66	16.00	19.44	2.50	2.69	15.00	7.90	
2629	Pennsy Laying Mash.....	10.16	20.00	18.06	3.50	4.50	8.00	4.21	
3873	Red Rose Broiler Finisher (High Efficiency) Medicated (115).....	10.14	20.00	21.13	5.00	4.70	3.50	3.25	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0054%.
4368	Red Rose Broiler Finisher (High Efficiency) Medicated (115-A)....	10.31	20.00	22.25	5.00	5.50	3.50	2.73	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0054%. Nicarbazin: Guar., 0.0125%; found, 0.0088%.
1869	Red Rose Broiler Starter Ration (High Efficiency) Medicated.....	13.33	23.00	26.69	5.50	6.66	3.50	3.07	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0054%. Nicarbazin: Guar., 0.0125%; found, 0.0105%.
3113	Red Rose Calf Grower.....	12.72	14.00	16.44	3.00	3.59	8.50	7.57	
3155	Red Rose Calf Starter.....	9.52	18.00	18.25	3.00	4.09	8.00	7.37	
4705	Red Rose Cattle Wormer.....	9.71	12.00	15.81	3.50	4.04	7.00	6.15	Phenothiazine: Guar., 2.22%; found, 1.80%.
2068	Red Rose Chick Grains.....	13.18	9.00	10.25	2.00	3.14	3.00	1.95	
1860	Red Rose Chick Starter Medicated 3-Nitro.....	11.52	22.00	22.50	4.00	4.33	4.50	3.94	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found 0.005%.

1870	Red Rose Chick Starter Medicated Nicarbazin & 3-Nitro.....	11.54	22.00	22.75	4.00	4.27	4.50	3.95	Nicarbazin: Guar., 0.0125%; found, 0.0100%. 3-Nitro-4- hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.006%.
2839	Red Rose Complete Game Bird Grower.....	11.14	20.00	20.88	4.00	4.04	5.50	4.39	
3098	Red Rose Complete Growing Ration	11.32	16.00	20.06	4.00	4.26	5.00	3.87	
2074	Red Rose Complete Laying Ration..	15.44	16.00	16.06	4.00	4.59	4.50	4.50	
2628	Red Rose Complete Turkey Grower.	8.57	20.00	22.06	4.00	4.89	5.50	4.55	
2330	Red Rose 16 Dairy Feed.....	10.70	16.00	18.94	3.50	4.44	9.50	8.28	
2462	Red Rose 18 Dairy Feed.....	10.90	18.00	19.88	3.50	3.54	9.50	8.10	
3114	Red Rose Duck Grower & Breeder ..	11.27	20.00	23.00	4.00	4.19	6.00	5.26	
1907	Red Rose Fattening Mash.....	15.41	14.00	14.31	4.00	4.92	5.50	2.80	
2410	Red Rose Fitting Ration.....	12.96	12.00	15.00	3.50	3.00	7.00	6.88	
3209	Red Rose Growing Mash.....	9.37	20.00	23.88	4.00	4.52	6.50	5.07	
2067	Red Rose Hog Meal.....	13.76	16.00	17.94	3.50	3.53	8.00	6.20	
2065	Red Rose Horse Feed.....	10.36	9.00	11.00	3.00	2.58	10.00	5.96	
3407	Red Rose Horse Feed.....	11.36	9.00	10.88	3.00	3.49	10.00	5.60	
1908	Red Rose Intermediate Chick Grains	17.10	9.00	10.81	2.00	4.44	3.00	1.93	
1906	Red Rose Laying Mash.....	15.27	20.00	21.50	4.00	4.19	5.00	5.00	
3156	Red Rose Milk Replacer.....	7.51	22.00	24.25	1.00	2.64	1.00	0.69	
3157	Red Rose Pigeon Feed.....	12.51	12.00	14.81	3.00	3.03	4.00	3.88	
3144	Red Rose Poultry Booster Pellets...	8.02	25.00	25.75	3.50	3.41	6.00	4.60	
2630	Red Rose Rabbit Pellets.....	8.24	18.00	19.31	3.00	3.79	12.00	10.21	
1815	Red Rose Rabbit Pellets Medicated Sulfaquinoxaline.....	12.94	18.00	21.00	3.00	3.61	12.00	9.03	Sulfaquinoxaline: Guar., 0.025%; found, 0.0248%.
2463	Red Rose Scratch Grains.....	13.04	9.00	10.38	2.00	2.80	4.00	3.08	
2836	Red Rose Starter & Grower.....	9.81	20.00	20.13	4.00	4.45	6.00	4.84	
1868	Red Rose Starter & Grower Medi- cated—Nicarbazin.....	12.26	20.00	22.25	4.00	4.25	6.00	4.86	Nicarbazin: Guar., 0.0125%; found, 0.0115%.
2735	Red Rose 14 Test Cow Feed.....	9.94	14.00	16.63	3.50	4.05	8.50	7.23	
2737	S-O-S.....	8.81	11.00	16.75	2.00	3.29	16.00	15.47	
3865	S-O-S.....	10.76	11.00	15.75	2.00	3.46	16.00	13.26	
FMS Incorporated, Thomasville, Pa.									
2209	FMS—A Food for Baby Animals....	13.11	23.00	24.19	0.50	0.51	0.25	0.19	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)			Fat		Fiber		Medicant	
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found		
Pounds per hundred (or per cent)										
Farm Bureau Association, Waltham, Mass.										
3442	Farm Bureau Chick Starter Mash with Sulfaminoxaline.....	9.85	20.00	20.88	4.50	4.94	4.50	4.14	Sulfaminoxaline: Guar., 0.0150%; found, 0.0158%.	
2861	Farm Bureau Complete Developer Mash.....	11.21	16.00	16.38	4.50	5.19	4.50	4.09		
2862	Farm Bureau Complete Market Egg Mash.....	10.76	16.00	16.38	4.50	5.09	4.50	3.86		
2345	Farm Bureau 16% Dairy Ration....	11.54	16.00	18.25	3.50	3.84	8.50	6.14		
2865	Farm Bureau Developer Mash.....	11.14	20.00	18.00	3.50	5.04	4.50	3.85		
2344	Farm Bureau Market Egg Mash....	11.97	20.00	21.19	3.50	4.47	5.00	4.13		
2346	Farm Bureau 14% Milking Ration...	11.80	14.00	14.75	3.50	3.54	8.00	6.47		
2347	Farm Bureau Rabbit Food Pellets...	10.54	18.00	18.75	3.00	3.01	8.00	12.24		
2350	Farm Bureau Wheat Standard Mid- dlings.....	11.45	16.00	17.06	4.00	4.48	7.00	6.67		
Farmers Feed Co., Brooklyn, N. Y.										
2647	"Bull Brand" Brewers Dried Grains	7.86	26.00	26.00	6.00	6.04	17.00	13.92		
Fish Products Co., Lewes, Del.										
2058	Smith's Lifeline Brand Fish Meal ...	9.37	60.00	62.69	5.00	4.19	3.00	0.26		
Florida Citrus Canners Cooperative, Lake Wales, Fla.										
2719	Lake Wales Brand Citrus Pulp.....	10.11	6.00	7.13	2.00	2.39	16.00	11.11		
Flory Milling Co., Bangor, Pa.										
3003	Flory 20% Layer.....	5.29	20.00	19.63	3.00	4.10	5.50	4.94		
The Fox Co., Newfield, N. J.										
3125	Foxco Flavitein.....	9.09	35.00	45.25	2.00	8.29	2.50	1.20		

2643	Fruit Industries, Bradenton, Fla. Tropicana's Sweetest Dried Citrus Pulp.....	8.87	6.00	6.88	3.00	2.79	12.00	11.97	.....
	General Mills, Inc., Minneapolis, Minn.								
3164	Ben Hur Wheat Bran & Ground Wheat Screenings.....	11.61	14.00	15.00	3.00	4.04	12.00	9.22	.....
3163	Ben Hur Wheat Standard Middlings & Ground Wheat Screenings.....	12.01	15.00	16.06	4.00	3.94	9.50	7.31	.....
2739	Washburn's Gold Medal Wheat Adrian Red Dog.....	12.71	16.00	19.63	3.50	3.79	4.00	2.97	.....
3060	Washburn's Gold Medal Wheat Bran & Ground Wheat Screenings.....	11.22	14.00	18.38	3.50	4.04	12.00	6.31	.....
2376	Washburn's Gold Medal Wheat Standard Middlings & Ground Wheat Screenings.....	11.34	15.00	17.00	3.50	4.54	9.50	7.48	.....
	General Mills, Inc., Larrowe Region, Detroit, Mich.								
2090	Larro Chick Grains.....	15.09	9.00	9.69	2.00	3.39	4.00	2.69	.....
2425	Larro Scratch Grains.....	13.19	9.00	9.63	2.00	3.28	5.00	2.37	.....
4065	Larro SureBroiler Finisher 23 (NCB- AGS) Medicated.....	9.41	23.00	24.50	6.50	7.04	2.50	2.40	Nicarbazin: Guar., 0.01%; found, 0.0086%. 3-Nitro-4- hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0032% 3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0054%. Nicarbazine: Guar., 0.01%; found, 0.0088%. Nicarbazine: Guar., 0.01%; found, 0.0084%. Nicarbazine: Guar., 0.01%; found, 0.0104%.
4066	Larro SureBroiler Starter 26 (NCB- AGS) Medicated.....	9.52	26.00	27.31	6.50	6.74	2.50	1.95	.....
4064	Larro SureChick (NCB) Medicated..	9.51	20.00	21.75	3.50	4.76	5.00	3.70	.....
4067	Larro SureGrow Complete "H-E" (NCB) Medicated.....	9.89	16.00	17.94	3.50	3.87	5.50	3.93	.....
3415	Larro SureLay Complete "H-E"...	10.32	16.00	17.31	3.50	3.50	5.00	3.50	.....
2087	Larro SureLay "H-E".....	12.21	20.00	20.63	3.50	3.67	5.50	5.18	.....
2093	Larro SureMilk 16.....	11.96	16.00	16.75	3.00	3.09	9.00	7.58	.....
2424	Larro SureMilk 20.....	11.01	20.00	22.06	3.00	3.69	9.00	7.57	.....
1811	Larro SurePork Complete (AGS) Medicated.....	13.37	15.00	15.44	3.00	3.93	6.00	5.40	Arsanilic Acid: Guar., 0.01%; found, 0.0103%.
2840	Larro SureRabbit.....	9.42	15.00	17.38	2.00	3.01	19.00	16.05	.....
2851	Larro SureTurk.....	10.01	27.00	29.13	2.50	3.69	8.50	7.33	.....

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)				Fat		Fiber		Medicant
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found		
Pounds per hundred (or per cent)										
Gorton's of Gloucester, Inc., Gloucester, Mass.										
2414	Gorton's A1-Blend "Junior"	9.44	40.00	43.75	6.00	8.14	8.00	6.07		
2621	Gorton's A1-Blend "Senior"	8.28	40.00	41.88	7.50	8.57	8.00	6.44		
Grain Processing Corp., Muscatine, Iowa										
2769	"Port City" Corn Distillers' Dried Grains with Solubles.....	9.39	24.00	25.75	8.00	8.44	15.00	11.64		
Grandin Brothers Corporation, Jamestown, N. Y.										
2423	Grandin's Start-To-Finish Mash.....	10.91	20.00	20.19	2.50	3.32	6.00	5.80		
The Great Atlantic & Pacific Tea Co., Minneapolis, Minn.										
3275	Daily Egg Laying Mash.....	8.76	20.00	19.63	3.00	4.43	7.50	8.31		
The Great Western Sugar Co., Denver, Colo.										
3136	GW Dried Beet Pulp & Condensed Beet Solubles Product Neutralized with Ammonia.....	12.11	15.00	15.63	0.30	0.37	18.50	15.90		
Green Acres Farms, Nazareth, Pa.										
2062	Green Acre's Brand 17% Dehydrated Alfalfa Meal.....	8.56	17.00	18.06	2.00	2.24	27.00	23.57		
Haffenreffer & Co., Inc., Boston, Mass.										
2179	Haffenreffer & Co.'s Brewers' Dried Yeast.....	13.09	40.00	50.38	0.75	0.19	5.50	2.94		
Hales & Hunter Co., Chicago, Ill.										
2993	Gold Flake 16 Dairy.....	10.69	16.00	21.69	2.00	2.69	12.00	8.46		
2392	Pioneer Calf Starter.....	11.51	18.00	18.38	2.50	3.04	7.00	5.26		

2390	Pioneer Dairy Fitting Feed.....	12.13	14.00	14.63	3.00	3.23	9.00	6.72	
3207	Pioneer Dairy Pellets 16.....	9.29	16.00	21.13	3.00	3.24	10.00	8.40	
3206	Pioneer Dairy Pellets 18.....	9.50	18.00	21.88	3.00	2.94	10.00	8.26	
2395	Pioneer Dairy Production 16.....	11.56	16.00	16.69	3.00	3.29	8.00	6.85	
2608	Pioneer Dairy Production 18.....	11.56	18.00	18.81	3.00	3.04	8.00	6.68	
2508	Pioneer Dry & Freshening.....	11.56	12.00	14.44	2.50	3.27	8.00	6.65	
2995	Pioneer Greeno.....	19.42	12.00	12.67	2.50	1.64	18.00	11.43	
2323	Pioneer Horse Feed.....	11.66	12.00	13.13	2.50	3.39	8.00	6.00	
2626	Pioneer Pelleted Flaked 15 Dairy.....	10.76	15.00	16.69	3.00	3.19	7.00	6.11	
2731	Pioneer Rabbit Pellets.....	9.72	16.00	17.75	2.00	3.43	15.00	8.49	
2994	Pioneer Sup-Pel Pellets.....	9.00	18.00	21.63	3.00	3.46	8.00	6.64	
2320	Red Comb All Mash Layer.....	11.60	17.00	17.94	3.50	5.44	5.50	3.95	
3132	Red Comb Breeder Mash.....	10.41	20.00	19.81	3.50	4.92	6.50	5.11	
3263	Red Comb Broiler Finisher.....	9.62	19.00	23.69	4.00	5.03	4.00	2.93	
3131	Red Comb Broiler Starter.....	12.03	22.00	23.61	4.00	5.11	4.00	2.87	
4355	Red Comb Broiler Starter Z3 Medicated.....	10.81	22.00	22.63	4.00	5.24	4.00	2.93	3-Nitro-4-Hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0044%. Nicarbazin: Guar., 0.01%; found, 0.0090%.
3201	Red Comb Broiler Station Fattener.....	10.18	14.00	16.38	3.00	3.64	7.00	4.53	
3126	Red Comb C Flaked.....	11.66	15.00	16.00	2.50	4.09	5.00	2.83	
3128	Red Comb Chick Starter.....	12.19	20.00	20.19	3.00	4.12	6.00	4.62	
2770	Red Comb Duck Grower.....	10.50	16.00	16.63	3.00	3.18	6.00	5.03	
3133	Red Comb Egg Mash.....	9.57	20.00	21.25	3.50	4.23	6.50	6.05	
2996	Red Comb Fine Chick.....	11.81	9.00	13.88	2.00	2.32	4.00	1.41	
3127	Red Comb Growing Mash.....	11.52	18.00	17.88	3.00	4.76	7.00	5.44	
2610	Red Comb Poultry Flesher.....	11.31	15.00	15.31	3.00	5.62	5.00	3.70	
2997	Red Comb Scratch Feed.....	11.06	9.00	12.19	2.00	3.53	5.00	2.87	
3262	Red Comb Turkey Finisher.....	8.76	16.00	20.31	3.00	5.24	5.50	5.69	
2730	Red Comb Turkey Grower.....	10.00	23.00	23.25	3.00	4.34	6.00	5.18	
A. E. Hall, Wallingford, Conn.									
2413	Hall's Growing Mash.....	10.04	16.00	21.50	3.50	5.20	7.50	6.16	
2825	Hall's Growing Mash.....	9.58	16.00	17.56	3.50	4.84	7.50	6.88	
2411	Hall's Hi-Lo Starter & Broiler.....	12.23	20.00	22.06	3.50	5.89	4.50	4.87	
2412	Hall's Laying Mash.....	11.05	20.00	21.63	3.50	4.44	7.50	6.61	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Moist- ure	Protein (N x 6.25)		Fat		Fiber		Medicant
			Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found	
Pounds per hundred (or per cent)									
Harper Feed Mills, Inc., Washington, Pa.									
2711	Green Pasture Coarse 16% Dairy Feed.....	11.41	16.00	18.31	3.00	3.83	11.00	7.46	
2715	Hominy Feed.....	10.87	10.00	16.25	5.00	4.65	5.00	3.98	
3224	Top Profit 16% Dairy Feed.....	8.21	16.00	20.69	2.00	2.84	12.00	11.39	
2712	Warren's Complete Laying Mash....	11.49	16.00	19.25	3.00	3.47	7.00	5.04	
2680	Warren's 20% Laying Mash.....	10.83	20.00	22.06	3.00	4.57	7.00	4.81	
H. P. Hood & Sons, Dunedin, Fla.									
2343	Hood Citrus Pulp.....	10.96	6.00	6.38	2.75	5.19	15.00	11.75	
H. P. Hood & Sons, Inc., Boston, Mass.									
2973	Dried Skimmed Milk.....	7.33	28.00	29.31	0.75	6.38			
3124	Powdered Skim Milk.....	6.44	32.00	34.38	0.50	2.21			
The Hubinger Co., Keokuk, Iowa									
2963	Ke OK uk 21% Protein Corn Gluten Feed.....	10.12	21.00	29.00	1.00	2.29	10.00	7.21	
Illinois Cereal Mills, Inc., Paris, Ill.									
2832	Hominy Feed.....	10.39	10.00	11.69	5.00	5.69	6.00	4.08	
International Milling Co., Minneapolis, Minn.									
2652	Blackhawk Wheat Bran with Ground Mixed Screenings.....	9.77	13.50	18.00	2.50	4.39	12.00	12.00	
2778	Blackhawk Wheat Standard Mid- dlings with Ground Mixed Screen- ings.....	11.69	14.00	16.44	3.00	4.37	9.50	8.25	
2079	Target Wheat Reddog.....	14.32	15.00	18.31	2.00	4.09	4.00	3.27	

Herman Isaacs, Inc., Bridgeport, Conn.									
2060	Hi Test Meat & Bone Scrap.....	7.84	50.00	50.13	2.00	4.24	3.00	1.06	.....
Kellogg Sales Co., Battle Creek, Mich.									
2773	Kellogg's Hominy Feed.....	12.00	9.50	10.00	5.00	6.69	5.00	3.02	.....
2844	Kellogg's Hominy Feed.....	10.86	9.50	12.50	5.00	5.55	5.00	4.61	.....
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.									
2777	Spencer Kellogg's 32% Protein Old Process (Expeller) Linseed Oil Meal	11.75	32.00	35.50	3.50	3.64	10.50	8.42	.....
3333	Spencer Kellogg's 44% Protein Toasted Soybean Oil Meal—Solvent Extracted.....	8.39	44.00	46.75	0.50	1.31	7.00	6.75	.....
Kennel Food Supply, Fairfield, Conn.									
2625	KFS Rabbit Pellets.....	9.55	19.00	20.88	2.00	3.92	11.00	12.37	.....
Julius Kessler Distilling Co., Inc., Louisville, Ky.									
2961	Kessler Corn Distillers Dried Solubles	7.44	26.00	29.88	8.00	8.39	11.00	8.09	.....
Chas. A. Krause Milling Co., Milwaukee, Wis.									
2378	Badger Yellow Hominy Feed.....	11.41	10.00	11.06	5.00	5.54	6.00	4.33	.....
Kuder Pulp Sales Co., Lake Alfred, Fla.									
2614	Kuder Dried Citrus Pulp, High Sugar, Late Production.....	7.74	6.00	6.25	3.00	3.79	13.00	10.10	.....
Lauhoff Grain Co., Danville, Ill.									
2198	Vermillion Hominy Feed.....	13.46	9.00	9.25	5.00	4.44	6.00	3.97	.....
The Libner Grain Co., Norwalk, Conn.									
3122	Libner's Blue Ribbon 12% Fitting Ration.....	11.89	12.00	19.38	4.00	3.67	10.00	6.76	.....
3118	Libner's Blue Ribbon Growing Mash	11.41	18.00	23.00	4.00	4.74	6.00	5.08	.....
3117	Libner's Blue Ribbon Horse & Calf Ration.....	12.48	10.50	10.94	3.50	3.78	7.00	2.80	.....
3120	Libner's Blue Ribbon Milk Egg Mash	9.96	20.00	25.00	3.00	5.79	6.50	4.98	.....
3121	Libner's 20% Milkflow Dairy Ration	12.14	20.00	18.94	4.00	3.63	9.00	6.43	.....

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Moist- ure	Protein (N x 6.25)		Fat		Fiber		Medicant	
			Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found		
Pounds per hundred (or per cent)										
Long Hill Feed Store, Long Hill, Conn.										
2645	Improved Square Deal Dairy Ration	9.46	18.00	16.00	4.50	3.01	10.00	9.39		
L. B. Lovitt & Co., Memphis, Tenn.										
2638	“LOVITT BRAND” 41% Protein Cottonseed Meal	8.44	41.00	40.63	3.00	3.44	14.00	10.65		
McMillen Feed Mills, Ft. Wayne, Ind.										
2055	Master Mix Beef Concentrate	13.16	32.00	32.31	1.00	1.43	9.50	8.65		
3268	Master Mix Bulky Feed	10.14	10.00	10.50	1.50	3.59	15.00	14.88		
1991	Master Mix Calflac	7.46	18.00	20.38	11.00	11.64	0.50	0.16		
2962	Master Mix Chick Concentrate	9.94	36.00	36.38	4.00	4.58	5.50	4.97		
2811	Master Mix Complete Calf-Mix	10.31	17.50	20.31	3.00	3.04	8.00	8.10		
3049	Master Mix Complete Rabbit Pellets	9.63	15.00	18.13	2.00	2.84	16.00	12.86		
3325	Master Mix Complete Turkey Finisher	9.48	16.00	18.94	3.50	3.98	6.00	5.63		
2169	Master Mix Egg Concentrate	12.91	42.00	41.00	6.00	7.29	4.00	2.81		
3050	Master Mix Eggac Pellets	10.53	20.00	22.13	2.50	3.29	7.00	6.38		
1995	Master Mix Egg Mash	12.11	20.00	23.44	2.50	2.99	7.00	6.16		
3269	Master Mix Hi-Calorie All Mash Layer	10.00	17.00	17.56	4.50	4.61	3.50	3.40		
3031	Master Mix Hi-Calorie Broiler Con- centrate	10.34	44.00	44.44	4.50	5.54	3.00	2.21		
4057	Master Mix Hi-Calorie Broiler Con- centrate (77C) Medicated	9.51	44.00	45.25	4.50	4.44	3.00	2.05	3-Nitro-4-hydroxyphenyl- sonic acid: Guar., 0.0125%; found, 0.0133%. Nicarbazin: Guar., 0.03125%; found, 0.0246%.	

4362	Master Mix Finisher (77A) Medicated	Broiler	11.65	19.50	19.88	4.00	4.06	2.75	2.08	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.0035%; found, 0.0036%. Nicarbazin: Guar., 0.01%; found, 0.011%.
3272	Master Mix Hi-Calorie 17% Egglac Pellets		9.81	17.00	18.38	4.50	5.11	4.00	3.26	
2167	Master Mix Hi-Calorie Finisher Con- centrate		12.26	42.00	41.63	5.00	4.99	3.00	2.60	
4058	Master Mix Hi-Calorie Finisher Con- centrate (77D) Medicated		9.04	42.00	43.13	5.00	4.95	3.00	2.38	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.0125%; found, 0.0108%. Nicarbazin: Guar., 0.033%; found, 0.0368%.
34 4	Master Mix Hi-Calorie Poult Starter (83A) Medicated		9.54	28.00	28.81	4.00	4.64	4.00	3.08	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0043%. Sulfaminox- aline: Guar., 0.0175%; found, 0.0085%.
2812	Master Mix 35% Hog Concentrate		8.41	35.00	37.44	1.50	1.82	9.00	5.70	
1994	Master Mix Horse Feed		11.64	10.00	12.92	3.00	2.70	9.00	5.61	
1986	Master Mix Master Blend Dairy Con- centrate		11.26	33.00	35.63	4.00	3.36	9.00	6.54	
3869	Master Mix Pig-Ets (01A) Medicated		9.99	18.00	20.00	3.50	4.44	3.50	3.60	
4071	Master Mix Prime Finisher (71A) Medicated		9.76	15.00	16.25	4.50	4.99	4.00	3.30	Arsanilic acid: Guar., 0.010%; found, 0.0085%. Nicarbazin: Guar., 0.01%; found, 0.010%. Dienestrol diacetate: not determined.
4478	Master Mix Prime Finisher (77A) Medicated		9.69	15.00	16.94	4.50	5.04	4.00	3.10	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.0035%; found, 0.0035%. Nicarbazin: Guar., 0.01%; found, 0.0106%.
3266	Master Mix Sweet 16% Dairy		9.14	16.00	21.06	4.00	4.29	11.00	12.78	
4617	Master Mix Turkey Broiler Finisher (11A) Medicated Histostat		12.07	16.00	17.63	3.50	3.74	6.00	5.28	4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0180%.
The McNeal Edwards Co., Inc., Reedville, Va.										
2745	Menhaden Fish Meal		8.06	60.00	62.25	4.00	4.82	2.00	0.37	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)				Fat		Fiber		Medicant
		Moist- ure	Guaran- teed not less than		Found	Guaran- teed not less than		Found		
			Pounds per hundred (or per cent)							
Machnicki's Grain Store, Jewett City, Conn.										
4361	Machnicki's Broiler Mash Medicated	10.06	23.00	23.94	7.00	7.74	3.00	2.38	Nicarbazin: Guar., 0.0125%; found, 0.0140%. Arsanilic acid: Guar., 0.0088%; found, 0.0112%.	
4360	Machnicki's Hi-Calorie Broiler Finisher Medicated	9.57	20.00	21.88	7.00	7.44	3.00	2.63	Nicarbazin: Guar., 0.0125%; found, 0.0146%. Arsanilic acid: Guar., 0.0088%; found, 0.0112%.	
2168	Machnicki's Hi-Energy All-Mash Layer	14.26	15.50	16.19	3.50	5.09	4.50	3.73		
Maple Leaf Milling Co., Ltd., Toronto, Canada										
1926	Rex Wheat Bran	14.07	14.00	15.38	3.50	4.84	12.00	10.93		
3215	Rex Wheat Bran	9.56	14.00	15.50	3.50	3.72	12.00	9.94		
3265	Yellow Hominy Feed	10.16	10.00	10.63	5.00	6.80	5.00	3.65		
Maritime Milling Co., Inc., Buffalo, N. Y.										
1864	Ma-Co Complete Chick Starter Ration Medicated 805 3NIB	14.08	22.00	22.63	4.50	4.77	3.00	2.42	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0049%. Nitrofura- zone plus furazolidone: Guar., 0.0063%; found, 0.0062%.	
3176	Ma-Co Complete Growing Ration	13.17	18.00	20.63	3.00	3.43	3.00	2.97		
3175	Ma-Co Complete Laying Ration	13.05	18.00	18.00	3.00	3.63	3.00	2.37		
1886	Ma-Co Medicated Stress-Aid Ration 970-A100	11.86	22.00	22.69	3.00	3.13	3.00	2.55	Copper Sulphate: Guar., 0.15%; found, 0.068%. Antibiotic guaranteed; not determined.	

1885	Ma-Co Medicated Stress-Aid Ration 970-A100F.....	11.91	22.00	23.13	3.00	4.05	3.00	3.00	Copper Sulphate: Guar., 0.15%; found, 0.048%. Fur- azolidone: Guar., 0.011%; found, 0.010%. Antibiotic guaranteed; not determined.
Meech & Stoddard, Inc., Middletown, Conn.									
2384	M & S Economy Dairy Feed.....	9.84	16.00	15.75	3.50	3.34	10.00	9.09	
3321	Red Wing Calf Starter & Grower....	9.74	16.00	16.81	3.50	4.39	8.00	6.16	
2383	Red Wing 15% Dairy Feed.....	11.42	15.00	15.25	3.80	3.39	9.00	7.91	
2806	Red Wing Fitting Ration.....	11.05	14.00	13.88	4.00	4.39	10.00	9.12	
2808	Red Wing Growing Mash.....	10.01	17.00	17.38	3.00	3.26	8.00	7.49	
3319	Red Wing Horse Feed.....	11.29	9.00	10.75	3.50	3.74	8.00	5.10	
2381	Red Wing Laying Mash.....	11.65	18.00	17.38	3.20	3.54	8.00	7.48	
2382	Red Wing Pig & Hog Feed.....	11.50	17.50	15.81	4.00	2.51	7.90	6.94	
3320	Red Wing Stock Feed.....	9.14	10.00	11.19	2.50	3.91	11.00	10.97	
3286	Special Balance Growing Mash.....	9.42	18.00	17.69	3.50	3.52	6.00	6.14	
2807	Special Balance High Efficiency Com- plete Laying Mash.....	11.28	16.00	16.94	3.00	3.26	5.00	4.92	
2805	Special Balance Laying Mash.....	10.26	20.00	18.44	3.00	3.08	6.00	6.66	
2389	Special Balance Starting Mash.....	10.66	20.00	20.75	3.50	3.54	6.00	5.63	
3440	Special Balance Starting Mash Medi- cated	9.26	20.00	20.75	3.50	3.46	6.00	5.42	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0168%.
Geo. J. Meyer Malt & Grain Corp., Buffalo, N. Y.									
2776	Malt Sprouts.....	9.66	25.00	29.38	1.40	1.72	14.00	11.93	
Miller Alfalfa Co., Defiance, Ohio									
2738	Miller's Brand 15% Dehydrated Alfalfa Meal.....	8.36	15.00	17.63	1.50	2.28	32.00	28.76	
2452	Miller's Choice Brand 17% Dehy- drated Alfalfa Meal.....	11.39	17.00	16.38	1.50	2.01	27.00	26.69	
Miner-Hillard Milling Co., Wilkes Barre, Pa.									
1890	Choice Steam Cooked Hominy Feed.	13.39	10.00	11.50	5.00	4.48	5.00	4.12	
1889	M-H Dairy Feed 18%.....	11.42	18.00	21.31	3.50	4.50	9.50	8.80	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)		Fat		Fiber		Medicant	
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than		Found
Pounds per hundred (or per cent)									
Minute Maid Corp., Leesburg, Fla.									
2351	Golden Isle Citrus Pulp.....	8.49	5.50	7.13	2.75	5.09	15.00	10.40	
Montmorency Distillery Ltd., Beaupre, Canada									
2775	Corn Distillers Dried Grains.....	7.96	27.00	30.00	5.00	6.64	14.60	12.17	
Geo. Q. Moon & Co. Inc., Binghamton, N. Y.									
3123	Moon Complete Laying Mash.....	10.36	16.00	20.13	4.50	3.35	6.50	7.65	
3168	Moon 16% Dairy Ration.....	12.81	16.00	18.38	4.00	3.26	10.00	8.58	
3169	Moon Dairy Fitting Ration.....	11.58	14.00	18.75	4.00	3.89	9.00	8.06	
3167	Moon H-g Feed.....	11.91	15.00	16.13	3.00	4.74	7.50	6.03	
3170	Moon Horse Feed.....	13.61	9.00	11.25	1.50	3.07	10.00	6.78	
3165	Moon Laying Mash.....	11.10	20.00	20.25	4.00	5.21	6.50	6.38	
3119	Moon Rabbit Pellets.....	10.94	15.00	18.19	2.50	2.83	12.00	9.43	
3166	Moon Scratch Feed.....	13.51	10.00	10.63	2.00	2.67	5.00	3.73	
Fred C. Morse & Son, Guilford, Conn.									
1985	Old Mill 16% Dairy Feed.....	15.13	16.00	16.94	2.50	3.79	8.00	5.09	
1990	Old Mill Fitting Feed.....	14.96	14.00	16.88	3.00	3.19	8.00	5.03	
2809	Old Mill Growing Mash.....	10.63	18.00	19.25	3.50	4.24	6.50	6.36	
3469	Old Mill Hi-Calorie Broiler Finisher (with Nicarbazin).....	10.28	18.00	19.25	4.00	4.01	2.75	1.97	
3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.003%; found, 0.0031%. Nicarbazin: Guar., 0.009%; found, 0.0096%.									
1982	Old Mill Hi-Calorie Complete Layer.	16.01	17.00	17.94	4.50	4.18	3.50	2.26	
1983	Old Mill High Energy Laying Mash.	16.12	16.00	16.44	3.00	3.37	5.00	3.99	
1984	Old Mill Laying Mash.....	14.46	20.00	21.00	3.50	4.39	7.50	7.03	
1989	Old Mill Rabbit Pellets.....	13.39	14.00	16.13	3.00	3.38	15.00	11.52	

3470	Old Mill Starting Mash (with Nicarbazin).....	10.17	18.00	20.88	3.50	4.44	6.50	5.85	Nicarbazin: Guar., 0.0125%; found, 0.0139%.
3441	Old Mill Turkey Grower (with Sulfquinioxaline .0175%).....	9.86	20.00	20.38	3.00	3.99	6.50	5.37	Sulfquinioxaline: Guar., 0.0175%; found, 0.0152%.
	Mowat, Wilson & Co., Detroit, Mich.								
2438	Dried Beet Pulp.....	10.79	7.00	8.56	0.30	0.34	22.50	20.06	
3030	Dried Beet Pulp and Feeding Beet Molasses.....	10.19	7.00	10.63	0.30	0.34	20.00	14.42	
	National Alfalfa Dehydrating & Milling Co., Lamar, Colo.								
2767	Jack Rabbit 17% Protein Dehydrated Alfalfa Meal.....	8.27	17.00	18.38	1.50	2.84	27.00	25.30	
2784	Jack Rabbit 17% Protein Dehydrated Alfalfa Meal.....	8.86	17.00	18.31	1.50	2.60	27.00	23.56	
2786	National 20% Broiler Meal Dehydrated Alfalfa.....	7.61	20.00	17.00	2.50	3.09	20.00	23.70	
2785	Vita Greens Alfalfa Meal Dehydrated	7.80	17.00	17.13	1.50	3.14	27.00	22.90	
	National Biscuit Co., Toledo, Ohio								
2131	Pure Wheat Bran.....	11.64	13.00	14.56	3.00	3.64	10.00	9.54	
	National Distillers Products Co., New York, N. Y.								
2791	Nadrisol Brand Corn Distillers Dried Solubles.....	10.14	25.00	32.50	8.00	8.94	4.00	3.57	
2199	Produlac Brand Corn Distillers Dried Solubles with Grains.....	10.57	25.00	25.38	6.00	8.93	9.00	7.30	
	National Foods, Inc., Indianapolis, Ind.								
2379	Pulverized Feed Oats.....	10.55	11.00	11.94	2.00	3.29	15.00	14.55	
	Neumond, Inc., St. Louis, Mo.								
3096	Neumond's 26% Brewers Dried Grains.....	7.29	26.00	27.56	4.50	7.09	18.00	13.64	
2964	Standard's 13% Suncured Steamed Dairy Cut Alfalfa.....	9.71	13.00	14.56	1.00	1.94	33.00	27.29	
	Northern Ohio Sugar Co., Denver, Colo.								
2649	GW Dried Beet Pulp.....	8.31	7.00	8.44	0.30	0.74	22.50	18.65	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)		Fat		Fiber		Medicant	
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than		Found
Pounds per hundred (or per cent)									
Ogden Grain Co., Utica, N. Y.									
2495	Ogden Complete Chick Starter.....	12.51	20.00	20.50	4.00	4.17	6.00	4.74	.....
3174	Ogden Complete Layer.....	12.15	16.00	18.38	3.00	3.54	4.00	3.29	.....
2873	Ogden Fitting Ration.....	17.71	14.00	14.38	3.00	3.19	9.00	7.71	.....
2870	Ogden Growing Mash.....	11.11	18.00	18.31	3.00	3.89	6.50	5.83	.....
2871	Ogden Hi Energy Growing Mash.....	10.71	16.00	17.88	4.50	6.97	4.00	3.77	.....
2498	Ogden Hi Energy Laying Mash.....	12.05	16.00	16.50	4.00	4.45	4.50	3.65	.....
1845	Ogden Hi Energy Starter & Broiler Medicated.....	11.24	22.00	22.50	4.50	5.34	4.00	4.00	Nicarbazin: Guar., 0.0125%; found, 0.0130%. Arsanilic acid: Guar., 0.01%; found, 0.0078%. Arsanilic acid: Guar., 0.01%; found, 0.0093%.
3868	Ogden Hi Energy Starter & Broiler Medicated with AR only.....	9.65	22.00	22.00	4.50	6.66	4.00	3.76	.....
3177	Ogden Horse Feed.....	12.39	10.00	12.38	3.00	3.90	9.00	6.79	.....
2496	Ogden Laying Mash.....	11.91	20.00	19.25	3.00	3.79	6.00	6.24	.....
2872	Ogden Rabbit Pellets.....	10.19	18.00	17.63	3.00	3.04	12.00	11.27	.....
2867	Ogden Super Hi Energy Laying Mash	11.26	20.00	20.13	4.50	5.24	5.00	4.65	.....
2868	Ogden Super Pig Ration.....	9.09	14.00	14.00	3.50	4.39	7.00	5.69	.....
2497	Ogden U-T-K Sweet 16%.....	12.26	16.00	16.94	3.00	3.89	11.00	8.76	.....
Ogilvie Flour Mills Co. Ltd., Montreal, Canada									
3417	Ground Flax Screenings.....	8.94	15.00	15.06	10.00	11.64	15.00	11.64	.....
2466	Ogilvie Wheat Bran.....	11.77	14.00	14.00	3.50	3.45	11.50	11.68	.....
Pabst Brewing Co., Chicago, Ill.									
3346	Pabst Blue Ribbon Brewers Dried Grains.....	6.64	26.00	26.19	6.00	6.69	16.00	14.66	.....

Park & Pollard Co., Buffalo, N. Y.

4072	Hi-Power 20% Broiler Ration Medicated.....	9.76	20.00	19.81	3.50	3.82	3.50	3.18	Nicarbazin: Guar., 0.01%; found, 0.0074%; 3-Nitro- 4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0021%
3280	Hi-Prime Complete Turkey Finisher	8.56	14.00	15.38	3.50	4.13	4.50	6.21	4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0105%
4616	Hi-Prime Complete Turkey Finisher Medicated.....	11.08	14.00	16.25	3.50	4.34	4.50	4.63	4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0105%
2983	Hi-Prime Complete Turkey Grower.	10.34	20.00	20.00	3.50	3.99	4.50	4.55	4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0117%
4609	Hi-Prime Complete Turkey Grower 33OH Medicated.....	10.84	20.00	19.19	3.50	3.84	4.50	4.10	Nitrofurazone plus furazoli- done: Guar., 0.0063%; found, 0.0066%
2985	Hi-Prime Turkey Fitting Ration....	14.96	11.00	11.81	3.50	3.21	4.00	3.28	
4711	Lay or Bust Chick Starter Medicated	9.86	21.00	22.50	3.50	3.24	4.00	4.45	
2077	Lay or Bust Egg Mash.....	12.52	20.00	20.06	3.50	3.44	5.00	4.05	
2132	Lay or Bust Fleshing Pellets.....	12.14	16.00	19.38	3.50	4.53	5.00	4.04	
2080	Lay or Bust Growing Feed.....	12.31	18.00	20.75	3.50	3.29	6.00	4.65	
3411	Lay or Bust Hi-Valu Pellets.....	9.34	12.00	15.81	3.00	3.68	6.00	5.85	
3069	Milk Maid Calf Starter.....	6.97	19.00	20.81	3.00	3.44	8.00	5.56	
2075	Milk Maid 16% Dairy Ration.....	8.20	16.00	16.29	4.00	2.71	9.00	7.29	
3062	Milk Maid 20% Dairy Ration.....	9.46	20.00	21.81	4.00	3.41	9.00	7.33	
3068	Milk Maid Dri-Fresh Ration.....	11.18	13.00	17.25	4.00	4.54	10.00	7.86	
2133	Milk Maid Fitting Ration.....	14.21	14.00	18.00	3.00	3.54	9.00	7.64	
2078	Milk Maid Sheep & Goat Feed.....	8.62	16.00	16.90	3.00	1.86	9.00	6.19	
3070	Milk Maid 14% Test Ration.....	11.55	14.00	17.75	5.00	5.19	9.00	8.01	
3281	Milk Maid 18% Test Ration.....	9.39	18.00	20.00	5.00	6.15	9.00	8.47	
4702	Park & Pollard Complete Chick Starter Medicated.....	9.83	20.00	27.88	3.00	3.56	5.00	4.20	Nitrofurazone plus furazoli- done: Guar., 0.0063%; found, 0.0058%
2984	Park & Pollard Complete Grower...	10.75	15.00	17.94	3.00	3.73	5.50	6.29	Nitrofurazone plus furazoli- done: Guar., 0.0063%; found, 0.0058%
4698	Park & Pollard Complete Grower Medicated 230B.....	10.10	15.00	18.75	3.00	2.94	5.50	6.35	
2135	Park & Pollard Complete Layer....	13.00	15.00	20.69	3.00	4.17	5.50	6.19	
3061	Park & Pollard 16% Dairy.....	9.59	16.00	17.81	4.00	4.13	10.00	9.28	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)		Fat		Fiber		Medicant	
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than		Found
		Pounds per hundred (or per cent)							
	Park & Pollard Co., Buffalo, N. Y.—Cont.								
3072	Park & Pollard Go-Tu-It Pig Grower	18.10	14.00	25.50	3.50	3.86	7.00	4.69	
2076	Park & Pollard Hi-Speed Horse Feed	10.67	12.00	12.11	3.00	1.63	9.00	5.09	
2134	Park & Pollard Laying Mash.....	10.80	20.00	20.00	3.00	2.79	7.00	5.89	
3181	Park & Pollard Rabbit Pellets.....	10.11	17.00	22.06	3.00	3.16	12.00	11.39	
3071	Park & Pollard Stock Feed.....	10.86	10.00	13.69	2.00	2.41	12.00	8.33	
4710	Phenothiazine & Nicotine Mixture Inc. in Lay or Bust D Wormer....	10.76	18.00	18.75	2.75	3.12	6.50	3.05	
3180	Red Ribbon 16% Dairy Ration.....	10.37	16.00	17.50	3.00	4.39	12.00	10.90	
	Parrish & Heimbecker, Ltd., Toronto, Canada								
2849	“Parrheim” Pure Wheat Bran.....	14.55	14.00	14.73	3.50	3.80	11.50	10.41	
2780	“Parrheim” Pure Wheat Shorts.....	12.83	14.00	16.13	3.50	3.68	8.00	5.68	
	Pasco Packing Co., Dade City, Fla.								
3151	Sugar Sweet Citrus Pulp.....	9.84	6.00	6.75	3.00	2.39	13.50	13.23	
	Penick & Ford Ltd., Inc., Cedar Rapids, Iowa								
2835	21% Protein Douglas Corn Gluten Feed.....	9.30	21.00	24.50	1.00	2.32	10.00	8.87	
	Pennsylvania Hide & Rendering Co., Scranton, Pa.								
3242	Pennsylvania Meat & Bone Scraps...	7.14	50.00	51.38	6.00	10.92	3.00	1.53	
	Perrysburg Alfalfa Mills, Inc., Perrysburg, Ohio								
2201	17% Dehydrated Alfalfa Meal.....	9.96	17.00	17.88	1.50	2.84	27.00	23.67	
	Pierce Feed Co., Inc., Brooklyn, Conn.								
2500	Pierce Complete Breeder.....	12.62	17.00	18.38	3.50	3.89	5.00	3.75	

Phenothiazine: Guar., 0.6%;
found, 0.65%; Nicotine:
Guar., 0.066%; found, 0.001%

3267	Pierce Complete Gro-N-Lay.....	9.86	17.00	21.75	3.00	4.29	6.00	5.73	.....
1859	Pierce Special Broiler Medicated....	12.86	21.00	22.88	3.50	3.85	4.00	4.00	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0049%. Nicarbazin: Guar., 0.0125%; found, 0.0112%.
2499	Pierce Special Gro-N-Lay.....	12.16	20.00	20.88	3.00	3.44	6.50	5.50	.....
2332	Pillsbury Mills, Inc., Minneapolis, Minn. Pillsbury's Hard Wheat Bran with Ground Wheat Screenings.....	11.16	14.00	15.81	4.00	4.39	12.00	11.69	.....
3339	Pillsbury of Canada Ltd., Midland, Canada Dandy Wheat Bran.....	10.51	14.00	15.81	3.50	4.98	11.50	10.08	.....
3340	Dandy Wheat Shorts.....	11.01	15.00	17.13	4.50	4.99	8.00	6.21	.....
3338	R. C. Pratt & Co. Ltd., Toronto, Canada Ruler Brand Pure Wheat Bran.....	10.22	15.00	15.00	3.50	3.87	11.50	9.19	.....
2377	The Quaker Oats Co., Chicago, Ill. Bell Cow Wheat Bran.....	10.66	15.00	16.25	3.50	4.88	11.50	10.91	.....
2779	Bell Cow Wheat Shorts.....	12.86	16.00	18.88	4.00	5.44	8.00	7.71	.....
3045	Ful-O-Pep Chick Starter.....	9.14	20.00	21.38	4.00	4.44	6.50	5.49	.....
1873	Ful-O-Pep Chick Starter (BC) Medi- cated.....	11.71	20.00	21.38	4.00	4.34	6.50	3.60	Nitrofurazone plus furazoli- done: Guar., 0.0063%; found, 0.0063%.
2637	Ful-O-Pep Derwood Horse Crunch..	7.96	15.00	15.81	4.00	4.27	10.00	11.11	.....
2401	Ful-O-Pep Egg-Breeder Mash.....	10.50	20.00	20.44	4.00	4.94	8.00	6.23	.....
3033	Ful-O-Pep Egg-Breeder Ration.....	9.61	16.00	16.00	4.00	4.66	7.00	6.14	.....
2324	Ful-O-Pep Egg Ration.....	10.71	15.00	15.00	3.00	3.39	7.00	6.93	.....
2322	Ful-O-Pep Fitting Feed.....	11.80	14.00	14.13	3.00	2.89	9.00	7.68	.....
3043	Ful-O-Pep Fitting Feed.....	12.83	14.00	14.06	3.00	3.09	9.00	6.37	.....
3870	Ful-O-Pep Gro-Pork (280K) Medi- cated.....	10.94	16.00	16.00	2.50	4.79	5.00	2.46	Arsanilic acid: Guar., 0.01%; found, 0.0085%.
3038	Ful-O-Pep Growing Mash.....	9.80	19.00	19.75	3.50	3.74	8.00	6.33	.....
3040	Ful-O-Pep Growing Ration.....	10.03	15.00	17.19	3.00	4.14	7.00	6.24	.....
3034	Ful-O-Pep Horse Feed.....	10.44	10.00	12.50	3.00	3.62	11.00	9.47	.....
2321	Ful-O-Pep Laying Mash.....	11.50	23.00	22.56	4.00	4.13	6.50	5.44	.....

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Moist- ure	Protein (N x 6.25)		Fat		Fiber		Medicant	
			Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found		
Pounds per hundred (or per cent)										
The Quaker Oats Co., Chicago, Ill.—Cont.										
3039	Ful-O-Pep Laying Ration.....	10.07	16.00	18.00	4.00	4.11	5.00	4.81	Furazolidone: Guar.,	
1874	Ful-O-Pep Medicated Broiler Bracer (C2D1).....	11.07	20.00	20.19	3.00	5.13	4.00	3.78	0.011%; found, 0.011%.	
									Antibiotic guaranteed; not	
									determined.	
4700	Ful-O-Pep Medicated Broiler Bracer (C2D1).....	9.37	23.00	28.13	7.00	4.74	2.50	3.40	Furazolidone: Guar.,	
									0.011%; found, 0.010%.	
									Antibiotic guaranteed; not	
									determined.	
3032	Ful-O-Pep Milking Feed.....	11.09	16.00	17.38	2.50	3.19	8.50	6.91	.....
3044	Ful-O-Pep Pig-N-Sow Ration.....	11.49	16.00	16.75	3.00	3.08	6.00	5.62	.....
3042	Ful-O-Pep Pig Starter.....	9.80	18.00	21.75	2.50	3.98	5.00	3.90	.....
4363	Ful-O-Pep Super Broiler Mash (AG2) Medicated.....	10.35	23.00	24.00	7.00	6.35	2.50	2.68	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0042%. Nicarbazin: Guar., 0.01%; found, 0.010%.	
									
2402	Ful-O-Pep Super Greens Pellets.....	10.12	20.00	19.50	4.00	4.88	8.00	6.30	.....
2400	Ful-O-Pep Sweet 16 Dairy Feed.....	10.25	16.00	17.19	2.50	2.66	12.00	9.89	.....
3046	Ful-O-Pep 20% Turkey Ration.....	10.86	20.00	20.06	3.50	3.53	5.00	5.11	.....
3041	Ful-O-Pep Turkey Starter.....	9.61	26.00	22.25	3.00	4.12	6.00	5.16	.....
2174	Peterborough Oat Mill By-Product...	10.35	2.50	3.75	1.00	1.34	32.00	31.98	.....
2403	Quaker Sugared Schumacher Feed...	9.46	12.00	12.00	2.50	2.27	12.00	11.13	.....
Ralston Purina Co., St. Louis, Mo.										
2439	Northeastern Scratch Feed.....	13.00	9.00	9.81	2.00	2.87	5.00	2.84	.....
2631	41% Protein Solvent Extracted Cot- tonseed Meal.....	8.16	41.00	38.44	1.00	2.88	14.00	10.21	.....

3426	44% Protein Solvent Extracted Soybean Oil Meal.....	9.73	44.00	44.94	0.50	3.19	7.00	5.86	.....
2445	Purina B & M Cow Chow D.....	11.86	16.00	16.75	2.50	2.84	10.00	5.25	.....
3202	Purina B & M Cow Chow D.....	11.17	16.00	18.50	2.50	2.78	10.00	5.99	.....
3424	Purina B & M Cow Chow D.....	11.25	16.00	16.38	2.50	3.17	10.00	5.20	.....
2357	Purina Breeder Layena (Complete Ration) E.....	10.96	16.50	17.75	4.00	5.02	4.50	3.38	.....
3874	Purina Broiler Chow Finisher (E) Medicated.....	10.06	20.00	21.38	4.50	5.14	3.00	2.35	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0051%.
1856	Purina Broiler Chow Finisher (E) 3 NC Medicated.....	12.98	20.00	20.75	4.50	5.36	3.00	2.95	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0058%. Nicarbazin: Guar., 0.01%; found, 0.01%.
4473	Purina Broiler Chow Finisher (E) 3NC Medicated.....	7.61	23.00	25.00	8.00	7.99	3.00	2.35	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0051%. Nicarbazin: Guar., 0.01%; found, 0.0108%.
1857	Purina Broiler Chow Starter (E) Medicated.....	12.06	23.00	24.44	4.50	5.06	4.00	3.96	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0051%.
1862	Purina Broiler Chow Starter (E) AB 3 NC Medicated.....	12.24	23.00	24.06	4.50	5.39	5.00	3.25	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0056%. Nicarbazin: Guar., 0.01%; found, 0.0090%.
1855	Purina Broiler Chow Starter (E) 3 NC Medicated.....	12.93	23.00	23.88	4.50	5.26	4.00	3.36	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0049%. Nicarbazin: Guar., 0.01%; found, 0.0105%.
4472	Purina Broiler Chow Starter (E) 3 NC Medicated.....	8.01	26.00	26.00	8.00	8.59	4.00	3.23	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0047%. Nicarbazin: Guar., 0.01%; found, 0.0092%.
2619	Purina Bulky Las.....	10.89	10.00	11.19	1.50	1.57	15.00	12.03	.....

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Moist- ure	Protein (N x 6.25)		Fat		Fiber		Medicant
			Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found	
Pounds per hundred (or per cent)									
Ralston Purina Co., St. Louis, Mo.— <i>Cont.</i>									
3278	Purina Calf Startena E.....	9.36	19.50	21.94	2.50	3.19	8.50	6.08	
2672	Purina Chick Chow (Coarse).....	12.94	9.00	9.19	2.00	2.70	4.00	1.48	
2446	Purina Chick Chow (Fine).....	12.99	10.00	9.38	2.00	2.70	4.00	1.28	
1911	Purina Chick Growena (E).....	13.50	17.00	18.75	3.00	5.14	7.00	3.71	
1867	Purina Chick Growena (E) NC Medi- cated	13.30	17.00	19.13	3.00	4.66	7.00	6.16	Nicarbazin: Guar., 0.01%; found, 0.0115%.
2678	Purina Complete Sow & Pig Chow (E)	12.96	16.00	16.13	2.50	3.29	6.00	4.28	
2617	Purina Cow Chow 14%.....	11.87	14.00	15.25	3.00	2.64	10.00	5.47	
1917	Purina Cow Chow 16% (Coarse)....	15.85	16.00	17.19	2.50	3.26	10.00	5.78	
3161	Purina Cow Chow Concentrate.....	11.09	32.00	33.69	1.50	2.15	10.00	5.83	
3279	Purina Cow Chow D 16%.....	9.16	16.00	19.50	2.50	3.93	8.00	5.11	
2355	Purina Cow Chow D 18%.....	10.91	18.00	18.75	2.50	2.63	10.00	6.08	
3423	Purina Cow Chow D 20%.....	10.34	20.00	20.69	2.50	3.19	8.00	5.21	
2444	Purina D & F Chow.....	12.37	12.50	12.88	2.50	2.34	11.00	7.22	
2354	Purina 18% Dairy Chow E.....	12.01	18.00	18.94	2.50	2.64	13.00	8.69	
4695	Purina .0011% Diethylstilbestrol Mix in Purina Special Steer Fatena 32% (5S).....	10.56	32.00	31.25	2.00	3.07	12.00	7.60	Diethylstilbestrol: Guar., 0.0011%; not determined.
2675	Purina Duck Growena E.....	11.33	18.00	18.69	3.00	3.33	5.00	4.68	
2671	Purina Duck Startena E.....	10.86	20.00	21.50	3.00	3.59	6.00	3.76	
2669	Purina Eggena E.....	11.67	16.00	16.69	3.00	4.22	7.00	6.46	
3420	Purina Fitting Ration.....	9.70	14.00	15.44	2.50	3.07	12.00	7.07	
2679	Purina Fox Chow.....	9.31	20.00	24.63	3.00	4.14	6.00	5.93	
2632	Purina Game Bird Growena E.....	8.64	20.00	21.88	3.00	3.68	6.00	5.42	
3160	Purina Goat Chow E.....	12.02	16.00	18.13	3.00	3.28	9.00	6.51	
2448	Purina Hog Fatena E.....	11.88	14.00	15.00	2.50	3.59	7.00	4.56	

3381	Purina Hog Fatena E Medicated	10.43	14.00	16.25	2.50	3.84	7.00	4.75	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0025%; found, 0.0027%.
2441	Purina Lay Chow E	11.69	23.00	25.00	3.50	4.89	5.00	4.83	
1916	Purina Layena (Complete Ration) E	10.51	16.50	17.19	3.50	5.97	4.50	3.70	
1882	Purina Medicated Chek-R-Aid E	12.39	20.00	21.31	4.50	6.44	4.50	3.24	Furazolidone: Guar., 0.011%; found, 0.011%.
3422	Purina Milk Chow D 16%	10.99	16.00	17.38	2.50	3.61	10.00	7.16	Antibiotic guaranteed; not determined.
3421	Purina Milk Chow D 20%	11.20	20.00	21.00	2.50	3.24	10.00	6.58	
2633	Purina Milk Chow E 16%	9.24	16.00	16.38	3.00	3.49	10.00	7.21	
3159	Purina Nursing Chow	8.15	25.00	28.50	2.50	2.63	1.50	0.85	
2618	Purina Omolene	12.54	10.00	10.25	3.00	3.79	9.00	6.72	
2442	Purina Pigeon Chow Checkers E	12.59	15.00	15.81	2.50	3.13	4.00	2.61	
2356	Purina Poultry Booster Chow E	9.81	24.00	25.00	2.50	4.09	8.00	5.43	
2443	Purina Pullet Developer E	12.09	13.00	14.63	2.50	4.37	8.00	5.52	
3427	Purina Rabbit Chow Checkers (20%)	9.06	20.00	20.63	2.00	3.03	16.00	11.32	
2447	Purina Rabbit Chow Checkers (Complete Ration) E	10.62	15.00	16.00	2.00	3.24	18.00	13.55	
3425	Purina Range Checkers	8.86	20.00	21.13	2.00	3.78	10.00	8.38	
2673	Purina Roaster Chow E	10.70	17.00	16.56	4.00	5.54	6.50	3.83	Nicarbazin: Guar., 0.01%; found, 0.0112%.
4471	Purina Roaster Chow (E) NC Medicated	9.41	17.00	17.69	4.00	5.16	6.50	3.00	
2677	Purina Special Steer Fatena	8.62	32.00	32.56	2.00	2.84	12.00	7.17	
3875	Purina Super Chick Startena (E) Medicated	9.26	23.00	24.75	4.50	5.36	4.00	3.11	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0025%; found, 0.0021%.
2674	Purina Super Game Bird Startena . . .	10.54	30.00	32.00	3.00	3.29	6.50	4.59	
3158	Purina Turkey Fatena E	11.01	15.50	16.38	4.50	4.94	5.00	3.66	
2670	Purina Turkey Growena E	10.86	20.00	20.00	4.50	4.89	6.00	5.11	
4620	Purina Turkey Growena (E) HS Medicated	9.81	20.00	21.19	4.50	5.56	6.00	4.55	4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0216%.
2634	Purina Turkey Startena E	8.21	28.00	28.94	3.00	3.54	5.50	4.83	
Reading Milling Co., Inc., Reading, Pa.									
2741	Faramel All Mash Grower	10.12	15.90	16.63	3.60	4.11	4.00	6.17	
2740	Faramel All Mash Layer	9.81	16.00	16.63	3.50	4.14	4.50	6.25	
2763	Faramel Rabbit Food Pellets	8.62	13.00	15.94	3.00	3.44	15.00	16.32	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)		Fat		Fiber		Medicant	
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than		Found
Pounds per hundred (or per cent)									
Reliable Grain & Fuel Co., Ansonia, Conn.									
2064	Reliable 16% Dairy Feed.....	13.22	16.00	14.13	3.50	3.16	9.00	7.90	
James Richardson & Sons, Ltd., Toronto, Canada									
2802	Canadian Pure Bran.....	11.29	15.00	14.25	3.50	3.70	11.50	10.50	
2803	Canadian Pure Shorts.....	12.00	14.00	14.50	3.50	3.54	8.00	3.91	
Riverside Oil Mill, Marks, Miss.									
3059	Expello Brand 41% Protein Cotton- seed Meal or Cake.....	9.76	41.00	43.38	3.00	3.29	14.00	10.40	
Russell-Miller Milling Co., Minneapolis, Minn.									
2834	Occident Wheat Bran.....	11.00	15.50	18.88	4.00	4.34	11.00	10.26	
2627	Occident Wheat Red Dog.....	11.06	16.50	18.94	3.50	4.54	4.00	3.08	
1938	Occident Wheat Standard Middlings with Ground Wheat Screenings....	12.76	15.00	18.75	4.00	4.89	9.50	5.89	
Salada, Shirriff-Horsey Corp. Ltd., Plant City, Fla.									
2353	J. William Horsey Brand Dried Citrus Pulp.....	9.38	6.00	7.25	3.00	6.57	15.00	12.90	
Saunders Mills, Inc., Toledo, Ohio									
2348	Krumbles (Alfalfa).....	10.06	13.00	14.63	1.50	1.94	33.00	29.98	
Wolf Savitsky & Sons, Inc., Shelton, Conn.									
3336	Wolf's Calf Ration.....	10.79	18.00	18.50	2.50	3.01	8.50	8.99	
1934	Wolf's Complete Hi-Eff Egg Breeder Mash.....	12.81	15.50	17.31	3.00	4.67	4.50	4.49	
3337	Wolf's Complete Hi-Eff Growing Mash.....	10.71	15.50	17.69	3.00	3.39	4.50	3.81	

1933	Wolf's Egg Mash.....	12.44	20.00	21.83	3.00	3.94	5.00	4.43	.....
2771	Wolf's Horse Feed.....	16.65	12.00	9.52	3.00	2.91	10.00	6.15	.....
1928	Wolf's Performo-Las.....	16.02	10.00	10.38	2.00	2.47	16.00	12.10	.....
3342	Wolf's Pig & Hog Feed.....	10.09	16.00	16.06	3.00	3.44	6.00	3.99	.....
3456	Wolf's Sulfaquinoxaline-Arsanilic Acid Mixture in Super Hi-Eff Starter & Broiler Ration.....	9.93	22.50	23.94	3.00	3.11	4.00	3.87	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0165%. Arsanilic acid: Guar., 0.0090%; found, 0.0092%. Sulfaquinoxaline: Guar., 0.0175%; found, 0.0193%.
3439	Wolf's Sulfaquinoxaline Mixture in Hi-Speed Starter & Broiler Ration	10.61	20.50	21.75	3.00	3.11	4.00	3.40	.....
1932	Wolf's Sweetened 14% Dairy Ration	13.69	14.00	15.63	3.00	4.59	9.00	6.78	.....
2725	Wolf's Sweetened 16% Dairy Ration	11.52	16.00	16.00	3.00	3.87	10.00	8.08	.....
3344	Wolf's Sweetened 18% Dairy Ration	8.79	18.00	19.13	3.00	4.03	9.00	7.29	.....
3343	Wolf's Sweetened 20% Dairy Ration	9.50	20.00	21.06	3.00	3.98	9.00	7.30	.....
Schenley Distillers, Inc., New York, N. Y.									
3350	Schenley Mark of Merit Corn Distillers Dried Grains with Solubles.....	7.37	24.00	26.38	5.00	9.52	13.00	11.44	.....
1929	Schenley Soludri Corn Distillers Dried Solubles.....	11.07	22.00	26.75	3.00	10.02	4.00	4.00	.....
Sea Board Supply Co., Philadelphia, Pa.									
2971	Dried Tomato Pomace.....	10.03	20.00	19.38	10.50	12.19	31.00	26.29	.....
3332	Dried Tomato Pomace.....	4.56	20.00	21.69	10.00	12.79	34.00	32.80	.....
Seaway Grain Co., Montreal, Canada									
2831	Malt Sprouts Pellets.....	8.81	20.00	23.63	1.00	1.14	19.00	15.67	.....
Seymour Grain & Coal Co., Seymour, Conn.									
2063	High-Vita 16% Dairy Ration.....	12.01	16.00	16.63	4.00	4.17	9.00	7.32	.....
3048	Miracle All-In-One Hog Ration.....	11.87	15.00	16.38	3.00	2.94	7.00	6.43	.....
4479	Miracle Broiler-Starter Medicated..	8.91	21.00	23.31	4.00	4.92	4.50	4.38	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.005%; found, 0.0051%. Nicarbazin: Guar., 0.0125%; found, 0.0144%.
3051	Miracle 14% Calf Grower.....	11.66	14.00	15.63	3.00	3.59	8.00	5.92	.....
2056	Miracle Dairy 16%.....	13.27	16.00	17.13	3.00	3.62	9.00	7.34	.....

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)		Fat		Fiber		Medicant
		Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found	
Pounds per hundred (or per cent)								
Seymour Grain & Coal Co., Seymour, Conn.— <i>Cont.</i>								
3053	Miracle Fitting Ration.....	11.29	14.00	14.63	3.00	4.32	8.00	7.23
3057	Miracle 20% Grower.....	11.32	20.00	22.13	3.00	3.42	6.50	5.79
1993	Miracle Hi-Energy All-Mash Layer.	12.47	16.50	20.44	4.25	4.49	4.75	4.75
1992	Miracle 20% Laying Mash.....	13.48	20.00	21.06	3.00	3.81	6.50	4.58
1996	See-More Milk Dairy Ration.....	12.76	18.00	19.81	3.00	3.92	9.50	7.51
2054	See-More Milk Dairy Ration 20%...	13.69	20.00	20.00	3.00	3.04	9.50	6.98
Silmo Chemical Corp., Vineland, N. J.								
2171	Silmo Vit-Ay-20,000 MS.....	15.21	9.30	11.56	70.40	72.60	0.60	0.74
Southern Fruit Distributors Inc., Orlando, Fla.								
2611	Bluebird Citrus Pulp.....	10.36	6.00	6.31	3.50	3.99	17.00	14.19
South Windsor Grain Co., South Windsor, Conn.								
2333	Valley Laying Mash.....	11.28	20.00	21.25	4.00	3.33	8.50	6.41
A. E. Staley Manufacturing Co., Decatur, Ill.								
3226	Staley's 21% Corn Gluten Feed.....	10.37	21.00	24.31	1.50	3.26	8.00	7.47
2789	Staley's 44% Protein Solvent Extracted Soybean Oil Meal.....	11.50	44.00	45.50	0.50	1.24	7.00	6.51
Standard Milling Co., Buffalo, N. Y.								
1900	Hecker's Standard Wheat Germ.....	13.82	25.00	24.38	9.00	7.81	5.00	4.94
D. A. Stickell & Sons, Inc., Hagerstown, Md.								
2981	Stickell's Horse Feed.....	15.56	10.00	9.15	3.00	3.30	9.00	5.25
2976	Su-Pur Rabbit Pellets.....	10.17	17.00	19.63	3.00	3.50	10.00	8.63

F. W. Stock & Sons, Inc., Hillsdale, Mich.									
2768	Stock's Wheat Bran.....	12.03	13.00	15.63	2.75	3.25	12.00	9.36	.....
2744	Stock's Wheat Middlings.....	12.01	14.00	15.75	4.00	4.24	9.50	6.40	.....
Suni-Citrus Products Co., Haines City, Fla.									
3135	Suni-Citrolas.....	10.46	6.25	7.19	2.50	1.82	15.75	14.20	.....
3137	Sweet Suni-Citrus Pulp.....	9.75	6.00	6.75	3.50	2.73	15.00	14.91	.....
Sunny Slope Farms, Inc., Nazareth, Pa.									
2810	Sunny Slope Farms Brand Dehydrated Alfalfa Meal.....	6.49	17.00	17.63	2.00	4.32	27.00	21.04	.....
Sunshine Biscuits, Inc., Grafton, Ohio									
2186	UMC Wheat Middlings (With Ground Wheat Screenings not Exceeding Mill Run).....	14.09	14.00	15.63	3.50	4.24	9.50	6.96	.....
Swift & Co., Fostoria, Ohio									
2183	Swift's 44% Protein Solvent Extracted Soybean Oil Meal.....	12.49	44.00	46.75	0.50	0.69	7.00	4.88	.....
T. H. Taylor Co. Ltd., Chatham, Canada									
2185	Wheat Shorts.....	14.41	14.00	15.25	4.50	4.59	8.00	6.84	.....
The Thomaston Supply Co., Inc., Thomaston, Conn.									
2869	Thomaston Dairy Ration.....	17.29	18.00	17.64	4.00	2.90	9.00	6.07	.....
Toledo Alfalfa Mills, East Toledo, Ohio									
2743	Vit-A-Green Supreme 17/27 Leafy Irish Brand Pure Dehydrated Alfalfa Meal.....	7.91	17.00	14.75	1.75	11.40	27.00	26.48	.....
Ultra-Life Laboratories, Inc., East St. Louis, Ill.									
3058	Ultra-Life Calf Food Pellets.....	9.92	21.00	24.44	2.50	3.42	7.00	5.39	.....
3052	Ultra-Life High Energy Poultry.....	9.66	19.50	24.25	5.00	9.35	5.50	5.33	.....
3878	Ultra-Life 3-Nitro-4-Hydroxy Mix Inc. in Ultra-Life Broiler-Gro.....	9.71	22.50	27.69	5.00	6.77	7.00	6.10	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.333%; found, 0.334%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)		Fat		Fiber		Medicant	
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than		Found
Pounds per hundred (or per cent)									
United Co-operative Farmers, Inc., Fitchburg, Mass.									
2471	UCF Breeder.....	11.59	20.00	21.00	4.50	4.58	5.00	3.59	
3251	UCF Calf Meal.....	8.56	25.00	29.56	1.00	6.46	2.00	0.90	
3249	UCF Calf Starter.....	10.13	20.00	20.38	3.00	4.10	6.00	4.24	
2469	UCF 16% Dairy.....	11.78	16.00	16.13	3.50	3.69	9.00	7.21	
3248	UCF 18% Dairy.....	10.49	18.00	21.75	3.50	3.63	9.00	4.70	
2505	UCF Fitting Ration.....	11.05	14.00	14.13	3.50	3.59	9.00	9.00	
3252	UCF Flushing Mash.....	7.82	18.00	15.88	2.50	4.94	6.00	2.60	
2468	UCF Grower.....	12.51	20.00	19.63	4.00	4.74	5.00	4.37	
3247	UCF Hi NRG All Mash Breeder.....	10.47	15.50	17.56	4.50	5.03	5.00	4.01	
2470	UCF Hi NRG All Mash Grower & Layer.....	12.78	15.50	15.25	5.00	4.69	5.00	4.63	
2503	UCF Layer.....	10.64	20.00	20.06	4.50	5.54	4.00	4.36	
4708	UCF Medicated Booster.....	10.40	15.50	16.69	4.50	5.00	5.00	4.30	Nitrofurazone plus furazoli- done: Guar., 0.0063%; found, 0.0068%. Antibiotics guaranteed; not determined.
3264	UCF Milkmaier.....	9.56	18.00	21.88	3.50	3.53	9.00	7.20	
3250	UCF Pig & Hog Feed.....	10.47	20.00	21.69	3.00	4.14	7.00	6.68	
1858	UCF Nicarbazin Mixture mixed with UCF Super Broiler Mash.....	11.99	22.00	22.94	7.00	6.55	3.50	2.88	Nicarbazin: Guar., 0.0125%; found, 0.0130%.
2502	UCF Poultry Fitting Ration.....	12.44	12.00	13.69	2.50	3.39	7.00	5.52	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.0046%; found, 0.0037%. Nitrofura- zone plus furazolidone: Guar., 0.0063%; found, 0.0053%.
4621	UCF Super Broiler Mash Medicated	10.31	22.00	22.38	7.00	7.65	3.50	3.30	
2504	UCF Super Starter.....	12.02	20.00	20.75	4.00	4.94	4.00	3.84	
1817	UCF Super Starter Medicated SQ...	13.50	20.00	22.50	4.00	5.59	4.00	3.60	Sulfaquinoxaline: Guar., 0.0150%; found, 0.0162%.

Unity Feeds Inc., Boston, Mass.									
1887	Unity Booster-Etts Medicated.....	10.87	15.00	16.75	2.00	4.67	4.00	3.85	Aureomycin: Guar., 0.05 gm/lb.: not determined.
2972	Unity Complete Rabbit Pellets.....	10.99	16.00	17.75	3.00	4.63	20.00	9.99	
2999	Unity Dairy & Fitting Ration.....	10.63	14.00	16.75	3.50	3.73	9.00	7.51	
2506	Unity 16% Dairy Ration.....	11.15	16.00	17.75	3.50	4.17	9.00	7.52	
2331	Unity 20% Dairy Ration.....	10.91	20.00	21.19	3.50	4.86	9.00	8.41	
3000	Unity High Energy Growing & Laying Mash.....	11.03	15.00	16.56	4.00	4.54	4.00	3.36	
2998	Unity Horse Feed.....	11.35	10.00	13.44	3.00	3.79	9.00	5.57	
2507	Unity Pig & Hog Ration.....	11.24	17.00	18.25	3.00	3.44	6.00	5.08	
2334	Unity Scratch Feed.....	11.93	9.00	9.38	2.50	3.09	5.00	3.32	
1881	Unity Super Starter Medicated.....	11.26	20.00	20.56	3.00	4.38	4.00	3.46	Nitrophenide: Guar., 0.018%; found, 0.0178%.
3880	Unity Trim Medicated.....	10.25	15.50	17.13	3.00	4.96	6.00	4.67	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0053%.
3208	Unity Turkey & Game Bird Growing Mash.....	10.01	20.00	21.38	3.00	5.51	5.00	5.35	
Universal Grain Co. of New Jersey, Newark, N. J.									
2085	Superior Cow Brand Dried Brewers Grains.....	8.96	26.00	30.63	6.00	4.33	17.00	11.88	
Utah-Idaho Sugar Co., Toppenish, Wash.									
2783	U and I Molasses Dried Beet Pulp...	8.60	9.00	9.75	0.25	0.29	16.50	14.45	
Verhoff Alfalfa Mills, Ottawa, Ohio									
2742	Ottawa Dehydrated Alfalfa 17% Meal	8.12	17.00	15.88	1.25	2.99	27.00	25.61	
Hiram Walker & Sons, Inc., Peoria, Ill.									
2848	Corn Distiller's Dried Grains with Solubles.....	12.62	25.00	23.95	8.00	7.41	10.00	6.90	
The Watertown Co-operative Ass'n., Inc., Watertown, Conn.									
3064	Co-op Red Tag 16%.....	11.66	16.00	18.25	3.50	3.64	8.00	7.42	
3063	Watertown Co-op 16% Dairy Feed..	10.71	16.00	18.81	4.00	3.71	9.00	7.36	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein. (N x 6.25)				Fat		Fiber		Medicant
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found		
Pounds per hundred (or per cent)										
H. K. Webster Co., Lawrence, Mass.										
2399	Blue Seal All-Mash Breeder's Ration	11.48	16.00	17.19	3.50	4.29	3.50	2.65		
2397	Blue Seal All-Mash Egg Ration	11.45	16.00	16.81	3.00	3.58	3.50	2.89		
3270	Blue Seal All-Mash Grow & Lay	9.81	16.00	17.06	3.00	3.97	4.50	3.80		
2958	Blue Seal All-Mash Growing Ration	11.26	16.00	16.56	3.00	3.69	4.00	2.58		
2501	Blue Seal Calf Starter	10.86	19.00	20.25	3.00	3.48	7.50	6.73		
3115	Blue Seal Chick Feed	14.28	10.00	10.88	2.50	2.54	4.00	2.63		
2433	Blue Seal Coarse "16" Dairy Ration	11.00	16.00	18.06	3.50	3.99	9.00	8.14		
2430	Blue Seal Coarse "20" Dairy Ration	10.46	20.00	20.25	3.50	3.79	9.00	7.60		
3178	Blue Seal "32" Dairy Concentrate	10.29	32.00	34.31	3.50	3.79	8.00	5.93		
2724	Blue Seal Economizer "16" Dairy Ration	9.91	16.00	16.00	2.50	2.64	15.00	12.61		
2623	Blue Seal Egg Mash	11.09	20.00	19.56	3.50	3.87	6.00	5.24		
2398	Blue Seal Fat & Finish Ration	11.92	18.00	18.31	4.00	4.54	4.00	3.28		
2396	Blue Seal Fitting Ration	10.71	14.00	14.69	3.50	3.79	9.00	8.13		
3116	Blue Seal Flaked 15	12.56	15.00	16.13	3.00	3.62	9.00	6.84		
1880	Blue Seal Furazolidone, Chlortetracycline NFA (Crumbles)	11.34	20.00	24.44	3.00	3.64	4.00	2.62		Furazolidone: Guar., 0.011%; found, 0.012%. Chlortetracycline: Guar., 0.011%; not determined.
3027	Blue Seal Goat Feed	10.69	16.00	19.13	3.50	4.33	9.00	7.00		
3172	Blue Seal Growing Mash	11.36	18.00	19.63	3.50	3.69	6.50	3.18		
2461	Blue Seal Horse Feed	12.11	10.00	11.94	3.00	3.49	9.00	6.53		
1842	Blue Seal Nicarbazin Mixture Inc. in Advance Broiler	11.39	22.00	24.13	5.00	5.05	3.50	3.08		Nicarbazin: Guar., 0.0125%; found, 0.0114%.
3463	Blue Seal Nicarbazin Mixture Inc. in Chick Starter	10.36	20.00	20.25	4.00	4.10	3.50	3.20		Nicarbazin: Guar., 0.0125%; found, 0.0116%.
4467	Blue Seal Nicarbazin Mixture Inc. in Fat & Finish Ration	8.79	18.00	18.63	4.00	4.14	3.50	3.68		Nicarbazin: Guar., 0.0125%; found 0.0106%.

2493	Blue Seal Pig Feed.....	12.24	15.00	15.25	4.00	4.64	6.00	4.39	.....
2431	Blue Seal Rabbit Pellets.....	11.27	20.00	21.25	3.00	3.29	12.00	8.28	.....
4699	Blue Seal Sodium Propionate Mixture for Ketosis Control.....	11.09	14.00	15.63	3.50	3.78	9.00	7.35	Sodium propionate: Guar., 2.5%; not determined
2460	Blue Seal Standard "16" Dairy Ration.....	11.03	16.00	19.31	3.50	3.52	9.00	8.03	.....
3173	Blue Seal Standard "20" Dairy Ration.....	10.50	20.00	21.00	3.50	4.43	9.00	8.44	.....
3026	Blue Seal Succulent Feed & Calving Ration.....	11.23	12.00	14.25	2.00	2.44	16.00	13.57	.....
1818	Blue Seal Sulfadoxaline Mixture Inc. in Chick Starter.....	13.85	20.00	23.50	4.00	4.49	3.50	3.51	Sulfadoxaline: Guar., 0.0175%; found, 0.0188%.
2459	Blue Seal Super Breeder's Mash.....	11.66	20.00	20.31	4.00	4.09	4.00	2.71	.....
2957	Blue Seal Test Ration.....	17.84	18.00	18.75	3.50	3.29	9.00	7.25	.....
2432	Blue Seal Turkey Growing.....	10.57	20.00	21.00	4.00	4.33	4.50	3.16	.....
West-Nesbitt, Inc., Oneonta, N. Y.									
3047	All Pure Milk Ration.....	10.56	20.00	22.00	3.50	3.18	10.00	7.78	.....
3182	Cream-Line 16% Dairy Ration.....	11.64	16.00	17.56	3.50	3.07	10.00	7.60	.....
2103	Cream-Line Dairy Test Ration.....	14.41	18.00	18.00	3.50	3.43	8.50	6.90	.....
2102	Pure Feed Calf Grower.....	13.64	20.00	21.56	3.00	3.79	9.00	8.47	.....
2723	Pure Feed Chick Grains.....	13.31	9.00	9.69	2.50	2.67	3.00	1.46	.....
2823	Pure Feed Complete Grower.....	10.76	16.00	17.75	3.50	4.13	5.00	4.53	.....
2824	Pure Feed Complete Layer-Breeder..	10.64	17.00	19.06	3.50	4.02	5.00	4.99	.....
2650	Pure Feed Complete Rabbit Pellets..	9.80	16.00	17.63	3.00	4.59	15.00	9.79	.....
3195	Pure Feed Dairy Ration.....	10.82	20.00	21.38	3.50	4.36	10.00	7.31	.....
3197	Pure Feed Dairy-Test Ration.....	12.01	18.00	19.06	3.50	3.82	8.50	6.71	.....
2104	Pure Feed Egg & Breeder Mash.....	14.00	20.00	21.69	3.00	3.34	7.00	5.15	.....
2722	Pure Feed Egg Maker.....	11.19	20.00	20.50	3.00	3.54	7.50	5.98	.....
3194	Pure Feed 14% Fitting Ration.....	13.37	14.00	14.50	3.50	3.74	8.50	8.43	.....
2105	Pure Feed Growing Mash.....	13.20	18.00	19.50	3.00	3.77	7.00	5.44	.....
1853	Pure Feed High Energy Broiler Medi- cated.....	11.80	21.00	21.88	3.50	4.24	4.00	3.40	Arsanilic acid: Guar., 0.0095%; found, 0.0095%.
									Nicarbazin: Guar., 0.0125%; found, 0.0124%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)		Fat		Fiber		Medicant	
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than		Found
Pounds per hundred (or per cent)									
West-Nesbitt, Inc., Oneonta, N. Y.—Cont.									
4059	Pure Feed High Energy Broiler Medi- cated.....	10.66	21.00	22.00	3.50	3.73	4.00	3.28	Arsanilic acid: Guar., 0.0095%; found, 0.0076%. Nicarbazin: Guar., 0.0125%; found, 0.0179%.
3866	Pure Feed High Energy Broiler Finisher Medicated (.0095% Arsanilic acid)	10.57	19.00	20.75	3.50	4.96	4.00	3.35	Arsanilic acid: Guar., 0.0095%; found, 0.0086%.
3196	Pure Feed Horse Ration.....	3.76	9.00	12.06	3.00	3.04	11.00	8.24	Nicarbazin: Guar., 0.0125%; found, 0.0125%.
4060	Pure Feed Nicarbazin Mix mixed with Pure Feed Starting Mash.....	9.96	20.00	21.56	3.00	4.44	6.00	4.80	Nicarbazin: Guar., 0.0125%; found, 0.0146%.
3449	Pure Feed Sulfaquinoxaline Mix mixed with Pure Feed Turkey Grower.....	10.13	20.00	21.06	3.00	4.27	6.00	4.87	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0162%.
3450	Pure Feed Sulfaquinoxaline Mix mixed with Pure Feed Turkey Starter.....	8.96	28.00	24.13	3.50	4.35	6.00	4.91	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0070%.
2822	Pure Feed Swine Ration.....	10.26	16.00	17.25	3.50	4.41	8.00	7.39	.....
2100	Pure Feed Turkey Finisher.....	13.86	16.00	16.38	3.00	3.84	6.00	4.45	.....
2101	Pure Feed Turkey Grower.....	13.11	20.00	21.50	3.00	3.86	6.00	4.84	.....
A. C. Wetherell, Suffield, Conn.									
3005	Special Dairy Mixture No. 3.....	9.51	16.00	17.50	3.50	3.84	9.00	7.56	.....
Whitmoyer Laboratories, Inc., Myerstown, Pa.									
1920	Flav-A-Dec.....	10.24	26.00	30.56	12.00	15.14	8.00	5.03	.....
The Geo. Wiedemann Brewing Co., Newport, Ky.									
3416	Brewers Dried Grains.....	6.75	24.00	28.81	5.00	7.44	15.00	12.37	.....

Wilkins-Rogers Milling Co., Inc., Washington, D. C.									
3200	Washington Coarse Scratch Feed....	9.56	10.00	11.63	2.50	2.78	4.00	2.10	
3199	Washington Laying Mash.....	10.56	20.00	21.06	3.00	4.79	6.50	6.05	
Winter Garden Citrus Products Cooperative, Winter Garden, Fla.									
2472	Wholesun Dried Citrus Pulp.....	8.36	6.00	6.25	2.50	5.54	16.00	12.69	
The Yantic Grain & Products Co., Norwich, Conn.									
2720	Big Y All in All Egg Ration.....	12.01	15.00	15.63	3.50	3.84	5.75	4.97	
3212	Big Y All in All Growing Ration....	9.83	16.00	18.00	3.00	3.44	7.00	5.24	
4704	Big Y Blackhead Preventive Mixed with Big Y Turkey Growing Feed.	10.41	20.00	21.25	3.00	3.79	7.00	5.05	2-Acetylaminio-5-nitrothiazole: Guar., 0.015%; found, 0.0152%.
2181	Big Y Breeder Mash.....	11.34	20.00	21.13	3.50	3.82	6.00	4.97	
3214	Big Y Calf Starter & Builder.....	10.12	17.50	20.25	2.50	2.54	7.50	5.31	
3328	Big Y Calving Ration.....	10.08	14.00	15.44	3.50	4.18	11.00	9.94	
3330	Big Y Calving Ration.....	9.11	12.00	12.50	3.50	5.19	8.00	6.04	
1875	Big Y Chlortetracycline & Furazolidone Mixture (n.f. 180) in Big Y Powerhouse Crumbles.....	11.91	20.00	21.56	3.50	4.92	6.00	6.38	Chlortetracycline: Guar., 0.011%; not determined. Furazolidone: Guar., 0.011%; found, 0.0120%.
2788	Big Y Confinement Growing Mash...	12.25	15.00	15.94	3.50	4.24	5.00	4.35	
3468	Big Y Confinement Growing Mash Medicated.....	10.05	15.00	15.19	3.50	5.30	5.00	3.93	Nicarbazin: Guar., 0.010%; found, 0.0106%. Arsanilic acid: Guar., 0.0095%; found, 0.0098%.
4468	Big Y Confinement Growing Mash Medicated Nitrophenide.....	9.26	15.00	16.94	3.50	4.29	5.00	4.00	Nitrophenide: Guar., 0.02%; found, 0.0081%.
2453	Big Y Dairy & Fitting Ration.....	11.50	14.00	15.63	3.50	3.69	9.00	8.58	
2458	Big Y 16% Dairy Ration.....	11.01	16.00	17.56	3.50	3.80	8.50	7.30	
2721	Big Y 18% Dairy Ration.....	10.21	18.00	19.50	3.20	5.06	8.50	7.35	
2416	Big Y 20% Dairy Ration.....	12.45	20.00	23.00	3.50	3.23	8.50	7.19	
2417	Big Y Dairy Ration—Purity.....	11.71	16.00	16.81	3.50	3.39	9.00	9.00	
2418	Big Y 32% Dairy Supplement Feed...	10.37	32.00	31.88	3.00	2.94	8.00	7.44	
3465	Big Y Diestrol Diacetate & Nicarbazine Mix in Big Y Improved Broiler Finisher.....	10.36	18.00	20.81	3.50	4.66	4.00	2.89	Diestrol Diacetate: Guar., 0.007%; not determined. Nicarbazine: Guar., 0.0125%; found, 0.0094%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Continued

Station No.	Manufacturer and brand	Protein (N x 6.25)				Fat		Fiber		Medicant
		Moist- ure	Guaran- teed not less than		Found	Guaran- teed not less than		Found		
			Guaran- teed not less than	Found		Guaran- teed not less than	Found			
									Guaran- teed not less than		Found
Pounds per hundred (or per cent)										
The Yantic Grain & Products Co., Norwich, Conn.— <i>Cont.</i>										
3467	Big Y Dienergrol Diacetate & Nicarbazin Mix in Big Y Improved Broiler Finisher.....	9.98	18.00	19.31	3.50	5.24	4.00	2.84	Dienestrol Diacetate: Guar., 0.007%; not determined. Nicarbazin: Guar., 0.0125%; found, 0.0120%.	
3335	Big Y Fattening Pellets.....	10.56	10.00	15.63	4.00	4.84	3.00	3.09	Nicarbazin: Guar., 0.010%; found, 0.0116%. Arsanilic acid: Guar., 0.0095%; found, 0.010%.	
3466	Big Y Fattening Pellets Medicated..	10.87	10.00	13.88	4.00	4.74	3.00	3.17		
3327	Big Y Fitting Ration.....	9.98	12.00	14.06	3.00	5.18	10.00	7.96		
2455	Big Y Hi-Efficiency Breeder Ration..	11.78	15.00	17.69	3.50	4.64	4.00	3.68		
2456	Big Y Hi-Efficiency Grower.....	11.99	15.00	16.31	3.50	4.42	5.00	4.63		
4367	Big Y Hi-Efficiency Grower Medicated.....	11.02	15.00	14.25	3.50	4.71	5.00	4.28	Nicarbazin: Guar., 0.010%; found, 0.0149%. Arsanilic acid: Guar., 0.0095%; found, 0.0149%.	
2371	Big Y Hi-Efficiency Laying Mash...	11.49	16.00	17.13	3.50	4.07	4.00	3.71		
2772	Big Y Hi-G Dairy Ration.....	11.91	16.00	20.00	3.00	3.29	14.00	10.11		
2454	Big Y Hi-G Scratch Feed.....	12.01	9.00	11.44	2.00	2.83	5.00	3.65		
2974	Big Y Hog & Pig Ration.....	10.65	17.00	19.06	3.50	4.14	8.00	7.65		
2774	Big Y Horse Feed.....	19.79	10.00	11.20	2.50	3.01	9.00	6.68		
3213	Big Y Improved Almo.....	9.74	10.00	14.00	1.50	2.21	17.00	13.09		
4474	Big Y Improved Broiler Finisher with Nicarbazin Mixture.....	9.76	19.00	19.81	5.00	5.32	4.00	3.23	Nicarbazin: Guar., 0.010%; found, 0.0092%. Arsanilic acid: Guar., 0.0095%; found, 0.0092%.	

3464	Big Y Improved Broiler & Starter Ration Medicated.....	10.35	21.00	21.94	5.00	5.29	4.00	2.79	Nicarbazin: Guar., 0.010%; found, 0.0106%; Arsanilic acid: Guar., 0.0095%; found, 0.0090%.
3446	Big Y Improved Turkey Starter & Game Bird Feed with Sulfaquinoxaline.....	10.32	23.00	26.63	4.50	4.84	5.00	3.19	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0183%.
2369	Big Y 20% Laying Mash.....	11.16	20.00	20.38	3.50	4.39	6.00	5.37	
2370	Big Y M&O Growing Feed.....	11.39	18.00	19.00	3.50	4.43	6.00	5.86	
2643	Big Y Meat Pullet & Caponette Ration.....	9.96	20.00	20.56	3.50	4.04	5.00	4.79	
4701	Big Y Nitrophenide Arsanilic acid Mixture Inc. in Big Y Improved Broiler & Starter Ration.....	10.65	21.00	22.75	4.00	5.09	4.00	2.90	Nitrophenide: Guar., 0.025%; found, 0.022%; Arsanilic acid: Guar., 0.0095%; found, 0.0098%.
4370	Big Y Peerless Broiler & Starter Ration Medicated.....	10.61	23.00	22.81	5.50	5.74	4.00	3.68	Nicarbazin: Guar., 0.01%; found, 0.011%; Arsanilic acid: Guar., 0.0095%; found, 0.010%.
1841	Big Y Pre-Starter Medicated.....	11.12	26.00	27.13	8.00	8.43	3.50	2.95	Nicarbazin: Guar., 0.010%; found, 0.0114%; Arsanilic acid: Guar., 0.0095%; found, 0.0100%.
3331	Big Y Progressive Growing Feed....	9.51	17.00	17.25	3.00	4.54	7.00	6.53	
2644	Big Y Rabbit Pellets.....	9.41	16.00	17.25	3.00	3.34	10.00	10.58	
3140	Big Y Scratch Feed.....	12.85	9.00	9.88	2.00	2.54	5.00	4.40	
3329	Big Y Sheep & Goat Feed.....	10.51	16.00	18.13	3.00	3.90	8.50	7.55	
3097	Big Y Stock Feed.....	10.50	9.00	12.56	2.50	4.93	15.00	9.01	
3448	Big Y Sulfaquinoxaline Mixture Inc. in Big Y Rabbit Pellets.....	10.00	16.00	18.00	3.00	4.39	10.00	9.02	Sulfaquinoxaline: Guar., 0.025%; found, 0.0204%.
1813	Big Y Sulfaquinoxaline Mixture Inc. in Big Y Super Starter & Broiler Ration.....	11.74	20.00	22.88	3.50	4.34	4.50	4.40	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0205%.
4706	Big Y Super Broiler & Starter Ration Medicated.....	11.49	20.00	20.94	3.50	4.04	4.00	2.95	Nitrophenide: Guar., 0.025%; found, 0.024%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1957—Concluded

Station No.	Manufacturer and brand	Protein (N x 6.25)			Fat		Fiber		Medicant
		Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	Found	
Pounds per hundred (or per cent)									
The Yantic Grain & Products Co., Norwich, Conn.—Cont.									
3462	Big Y Super Starter & Broiler Ration Medicated.....	10.14	20.00	22.88	3.50	3.54	4.00	2.85	Nicarbazin: Guar., 0.010%; found, 0.0125%. Arsanilic acid: Guar., 0.0095%; found, 0.010%.
3447	Big Y Super Starter Ration Medicated.....	10.09	20.00	21.13	3.50	4.31	4.50	3.06	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0182%.
2180	Big Y Supreme Laying Mash.....	13.94	16.00	15.81	5.00	8.18	4.00	3.62	.....
3139	Big Y Test Cow Ration.....	11.01	16.00	18.56	3.00	3.00	8.50	7.35	.....
2975	Big Y Turkey Fattener.....	10.96	17.00	19.50	3.50	3.94	6.00	4.98	.....
2415	Big Y Turkey Growing Feed.....	11.51	20.00	20.94	3.50	4.84	7.00	5.82	.....
4608	Big Y Turkey Growing Feed with Histostat.....	11.68	20.00	20.00	3.50	3.69	7.00	5.68	4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0274%.
4696	Big Y Worming Mash for expelling Round & Cecal Worms.....	10.14	18.00	17.63	3.50	3.94	6.00	4.98	Phenothiazine: Guar., 0.33%; found, 0.26%. Nicotine sulphate: Guar., 0.03%; found, 0.02%.
4469	Yieldmor Feeds, Inc., Piqua, Ohio David Small's D.S.H.S. Broiler Feed Medicated.....	8.89	24.00	23.69	6.50	7.19	4.00	3.05	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0052%. Nicarbazin: Guar., 0.01%; found, 0.0106%.

4407	David Small's D.S.H.S. Finishing Feed Medicated.....	9.30	20.00	21.13	8.00	6.89	3.50	2.43	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0049%. Nicarbazin: Guar., 0.01%; found, 0.0112%.
2391	Yieldmor Hi-Energy Layer-Grower Mash.....	11.76	16.00	16.88	3.50	3.58	5.50	3.90	.....
2393	Yieldmor Poultry Fitting Ration....	10.75	10.00	13.25	3.00	3.84	9.00	7.95	.....

TABLE 2. VITAMIN CARRIERS

Station No.	Manufacturer and brand	Place, date of sampling and control number	Vitamin D, units/lb.		Riboflavin, mg/lb.		Niacin, mg/lb.		Pantothenic Acid, mg/lb.		
			Guar-an-teed	Found	Guar-an-teed	Found	Guar-an-teed	Found	Guar-an-teed	Found	
American Cyanamid Co., Fine Chemical Div., New York, N. Y.											
216	Fortafeed Feed Supplement 2-22	Pawcatuck, 2/20, 8143; 2467-3; 98851-77; 2480-2.....	.....	.....	2000	1998	2000	2384	2000	2023
Chemo Puro Mfg. Corp., Newark, N. J.											
2115	Chemo Nutrient Premix Code No. CCC No. 1.....	Manchester, 8/29, 8086.....	170,300	Satisfactory	.....	.....	.....	.....	.....	.....
Commercial Solvents Corp., Terre Haute, Ind.											
218	B-Y-21 Riboflavin Supplement..	Norwich, 2/20, None.....	.....	.....	3630	3654	.....	.....	.....	.....
Dawe's Laboratories Inc., Chicago, Ill.											
9929	Dawe's Fermentation Flavonne	Middletown, 1/17, 3430.....	18,160	Satisfactory	22.7	98.1	90	163	..	....
209	Dawe's Fermentation Flavonne	Guilford, 2/11, 2643.....	18,160	Satisfactory	22.7	52.7	90	145	33	43	
782	Dawe's Fermentation Flavonne	Middletown, 4/11, 4810.....	18,160	Satisfactory	.....	.....	.....	.....	.....	.....
2116	Dawe's Fermentation Flavonne	Middletown, 8/29, 6457.....	18,160	Satisfactory	.....	.....	.....	.....	.....	.....
2754	Dawe's Fermentation Flavonne	Middletown, 10/16, 7235.....	18,160	Satisfactory	.....	.....	.....	.....	.....	.....
781	3-Nitro-4-Hydroxy Mixture	.....	.....	.....	.....	.....	.....	.....	.....	.....
Special Broiler Mix No. 571-D Middletown, 4/11, 4812.....											
2118	3-Nitro-4-Hydroxy Mixture	.....	.....	.....	.....	.....	.....	.....	.....	.....
Special Broiler Mix No. 571-D Guilford, 9/4, 7154.....											
2755	3-Nitro-4-Hydroxy Mixture	.....	.....	.....	.....	.....	.....	.....	.....	.....
Special Broiler Mix No. 571-D Middletown, 10/16, 7234.....											
E. I. duPont deNemours & Co. Inc., Wilmington, Del.											
9932	DuPont Delsterol 3000-D.....	Norwich, 1/18, None.....	1,362,000	Satisfactory	.....	.....	.....	.....	.....	.....
224	DuPont Delsterol 3000-D.....	Storrs, 2/21, None.....	1,362,000	Satisfactory	.....	.....	.....	.....	.....	.....
780	DuPont Delsterol 3000-D.....	Derby, 4/10, None.....	1,362,000	Satisfactory	.....	.....	.....	.....	.....	.....
1361	DuPont Delsterol 3000-D.....	Derby, 5/20, None.....	1,362,000	Satisfactory	.....	.....	.....	.....	.....	.....

Eastern States Farmers' Exchange, Inc., W. Springfield, Mass.									
696	Calfsaver Tablets.....	Putnam, 3/29, 9950-007-105..	400 ¹	Satisfactory	....	....	....	....	....
Fort Dodge Laboratories, Inc., Fort Dodge, Iowa									
213	Fort Dodge Clovite.....	Pawcatuck, 2/20, None.....	50,000	Satisfactory	....	....	....	....	....
The Fox Co., Newfield, N. J.									
1304	Foxco Qualadee A & D Feeding Oil.....	New Haven, 4/17, 92456.....	136,000	Satisfactory	....	....	....	....	....
Gorton's of Gloucester Inc., Gloucester, Mass.									
9930	Gorton's A1-Blend "Junior"....	Wallingford, 1/17, 8862-8192-8189-8942.....	8,000	Satisfactory	....	....	....	....	....
693	Gorton's A1-Blend "Junior"....	Wallingford, 3/20, 1118-11224-11189-11218-11153.....	8,000	Satisfactory	....	....	....	....	....
2119	Gorton's A1-Blend "Junior"....	Wallingford, 9/4, 15742-16652-16438-16086-16070.....	8,000	Satisfactory Below Standard	....	....	....	....	....
732	Gorton's A1-Blend "Senior"....	Canaan, 4/8, 2376-2375.....	16,000	Standard	....	....	....	....	....
Lederle Laboratories Div., American Cyanamid Co., New York, N. Y.									
226 ²	Lederle Aurovim.....	Derby, 2/28, 8686-191.....	164,000	Satisfactory	160	175	640	735	....
Marine Products Co., Boston, Mass.									
211	High Potency Vitamin A & D Feeding Oil.....	Pawcatuck, 2/20, 7348-54827..	136,080	Satisfactory	....	....	....	....	....
225	High Potency Vitamin A & D Feeding Oil.....	Willimantic, 2/21, 7369-54327	136,080	Satisfactory	....	....	....	....	....
1301	High Potency Vitamin A & D Feeding Oil.....	Pawcatuck, 5/8, 123.....	136,080	Satisfactory	....	....	....	....	....
2756	High Potency Vitamin A & D Feeding Oil.....	Pawcatuck, 10/17, 8-7631.....	136,080	Satisfactory	....	....	....	....	....
Merck & Co., Inc., Rahway, N. J.									
227 ³	No. 444 Vitamin Mixture.....	Derby, 2/28, None.....	.....	.....	1330	1217	6660	7037	....
Nopco Chemical Co., Harrison, N. J.									
2110	Nopco-Pak III-Lay Premix.....	Norwich, 8/27, AVE-527-10207-810-4/57.....	400,000	Satisfactory	....	....	....	....	....

TABLE 2. VITAMIN CARRIERS—Cont.

Station No.	Manufacturer and brand	Place, date of sampling and control number	Vitamin D, units/b.		Riboflavin, mg/lb.		Niacin, mg/lb.		Pantothenic Acid, mg/lb.		
			Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	
Nopco Chemical Co., Harrison, N. J. Cont.											
2759	Nopco-Pak Hi-Lay Premix	Norwich, 10/17, AVE-527-10207-810-4/57	400,000	Satisfactory	....	....	....	....	....	....
2111	Nopco-Pak Super Premix	Norwich, 8/27, CVL-527-11340-510-5/57	170,300	Satisfactory	....	....	....	....	....	....
9931	Nopdex "3000"	Norwich, 1/18, None	1,360,800	Satisfactory	....	....	....	....	....	....
219	Nopdex "3000"	Norwich, 2/20, None	1,360,800	Satisfactory	....	....	....	....	....	....
1302	Nopdex "3000"	Norwich, 4/12, None	1,360,800	Satisfactory	....	....	....	....	....	....
2109	Nopdex "3000"	Norwich, 8/27, None	1,360,800	Satisfactory	....	....	....	....	....	....
2758	Nopdex "3000"	Norwich, 10/17, None	1,360,800	Satisfactory	....	....	....	....	....	....
Silmo Chemical Corp., Vineland, N. J.											
229	Silmo 300 Vitamin A & D Feeding Oil	Shelton, 2/28, 32DA68	136,200	Satisfactory	....	....	....	....	....	....
778	Silmo 300 Vitamin A & D Feeding Oil	Shelton, 4/10, 32DA2	136,200	Satisfactory	....	....	....	....	....	....
1362	Silmo 300 Vitamin A & D Feeding Oil	Shelton, 5/20, 32DA2	136,200	Satisfactory	....	....	....	....	....	....
2108	Silmo 300 Vitamin A & D Feeding Oil	Shelton, 8/22, 32DA4	136,200	Satisfactory	....	....	....	....	....	....
2750	Silmo 300 Vitamin A & D Feeding Oil	Seymour, 9/20, 32DA611	136,200	Satisfactory	....	....	....	....	....	....
1364	Silmo XX Vitamin A & D Feeding Oil	Fairfield, 5/20, 33DA5	136,200	Satisfactory	....	....	....	....	....	....
9924	Vit-D-15000	Manchester, 1/17, 1523	6,810,000	Satisfactory	....	....	....	....	....	....
Stabilized Vitamins, Inc., Brooklyn, N. Y.											
9925	Perma-Mix C.C.C. No. 1	Manchester, 1/17, 1473-3	170,300	Satisfactory	400	631	4300	6379	....	....
221	Perma-Mix C.C.C. No. 1	Manchester, 2/21, 1488-3	170,300	Satisfactory	400	557	4300	5562	600	590	
783	Perma-Mix C.C.C. No. 1	Manchester, 4/11, 1526-5	170,300	Satisfactory	....	....	....	....	....	....

1368	Perma-Mix C.C.C. No. 1.....	Manchester, 5/21, 1539-1.....	170,300	Satisfactory	100	91	4300	4245	600	558
2112	Perma-Mix C.C.C. No. 1.....	Manchester, 8/29, 1593.....	170,300	Satisfactory	....	....	....	....	....	....
2752	Perma-Mix C.C.C. No. 1.....	Manchester, 10/10, 1606-3.....	170,300	Satisfactory	....	....	....	....	....	....
9926	Perma-Mix C.C.C. No. 2.....	Manchester, 1/17, 1474-1.....	102,100	Satisfactory	380	490	5400	6788	....	....
222	Perma-Mix C.C.C. No. 2.....	Manchester, 2/21, 1474-2.....	102,100	Satisfactory	380	418	5400	6492	....	....
784	Perma-Mix C.C.C. No. 2.....	Manchester, 4/11, 1503-1.....	102,100	Satisfactory	....	....	....	....	....	....
1367	Perma-Mix C.C.C. No. 2.....	Manchester, 5/21, 1538-2.....	102,100	Satisfactory	150	141	5400	5493	....	....
2113	Perma-Mix C.C.C. No. 2.....	Manchester, 8/29, 1592.....	102,100	Satisfactory	....	....	....	....	....	....
2751	Perma-Mix C.C.C. No. 2.....	Manchester, 10/10, 1607.....	102,000	Satisfactory	....	....	....	....	....	....
9927	Perma-Mix C.C.C. No. 3.....	Manchester, 1/17, 1457.....	103,100	Satisfactory	363	456	3000	3224	....	....
785	Perma-Mix C.C.C. No. 3.....	Manchester, 4/11, 1475-2.....	103,100	Satisfactory	363	361	3000	3360	....	....
2114	Perma-Mix C.C.C. No. 3.....	Manchester, 8/29, 1594.....	103,100	Satisfactory	....	....	....	....	....	....
1366	Perma-Mix C.C.C. No. 3.....	Manchester, 5/21, 1475-1.....	103,100	Satisfactory	363	365	3000	2951	....	....
9928	Perma-Mix C.C.C. Special.....	Manchester, 1/17, 1476.....	102,100	Satisfactory	....	....	4000	4971	....	....

Standard Brands, Inc., New York, N. Y.

217	Fleischmann's Fidy Type 142-F	Pawcatuck, 2/20, 504.....	54,468,000 ⁴	Satisfactory	....	....	....	....	....	....
	Irradiated Dry Yeast.....									

Whitmoyer Laboratories, Inc., Myerstown, Pa.

2757	Dri-Col 1500 D ³	Pawcatuck, 10/17, 41957.....	681,000	Below Standard	....	....	....	....	....	....
207 ⁵	Flav-A-Dee.....	Bridgeport, 2/8, None.....	....	....	100	95	700	1094	....	....
210 ⁶	Flav-A-Dee.....	Jewett City, 2/19, None.....	54,480	Satisfactory	100	98	700	1040	....	....
777	Flav-A-Dee.....	Bridgeport, 4/10, None.....	54,480	Satisfactory	....	....	....	....	....	....
1363 ⁷	Flav-A-Dee.....	Bridgeport, 5/20, None.....	54,480	Satisfactory	100	91	700	717	....	....
2120	Flav-A-Dee.....	Bridgeport, 9/5, None.....	54,480	Satisfactory	....	....	....	....	....	....
2749	Flav-A-Dee.....	Jewett City, 9/18, None.....	54,480	Satisfactory	....	....	....	....	....	....
694	Whitcod Pure Cod Liver Oil U.S.P.....	Moosup, 3/28, 72556.....	68,000	Satisfactory	....	....	....	....	....	....
695	Whitcod Pure Cod Liver Oil U.S.P.....	Danielson, 3/28, 12257FJM ...	68,000	Satisfactory	....	....	....	....	....	....
2753	Whitcod Pure Cod Liver Oil U.S.P.....	Willimantic, 10/11, 12257.....	68,000	Satisfactory	....	....	....	....	....	....
228	Whitmoyer Quality Vitamin A & D Feeding Oil.....	Derby, 2/28, 11756 FIJ.....	136,000	Satisfactory	....	....	....	....	....	....
779	Whitmoyer Quality Vitamin A & D Feeding Oil.....	Derby, 4/10, 121856.....	136,000	Satisfactory	....	....	....	....	....	....

TABLE 2. VITAMIN CARRIERS—Cont.

Station No.	Manufacturer and brand	Place, date of sampling and control number	Vitamin D, units/lb.		Riboflavin, mg./lb.		Niacin, mg./lb.		Pantothenic Acid, mg./lb.	
			Guar-an-teed	Found	Guar-an-teed	Found	Guar-an-teed	Found	Guar-an-teed	Found
223	The Yantic Grain & Products Co., Norwich, Conn. Big Y Vitamin A & D Feeding Oil Storrs, 2 21, 571	.....	136,000	Satisfactory	....	....	....	....	....	....

¹ U.S.P. units per tablet; assayed by feeding to rats.² Calcium Pantothenate, mg. per lb.: Guaranteed, 160; found, 341.³ Calcium Pantothenate, mg. per lb.: Guaranteed, 1,330; found, 2,275.⁴ U.S.P. units per pound; assayed by feeding to rats.⁵ Calcium Pantothenate, mg. per lb.: Guaranteed, 100; found, 40.6.⁶ Calcium Pantothenate, mg. per lb.: Guaranteed, 100; found, 37.2.⁷ Calcium Pantothenate, mg. per lb.: Guaranteed, 100; found, 104

TABLE 3. ANALYSES OF OAT PRODUCTS, 1957

Station No.	Manufacturer and brand	Retailer dealer in Connecticut	Protein (N x 6.25)		Fat		Fiber			
			Moist- ure	Found	Guar- an- teed not less than	Guar- an- teed not less than	Found	Guar- an- teed not more than		
Pounds per hundred (or per cent)										
E. W. Bailey & Co. Inc., Montpelier, Vt.										
2404	Fancy Ground Oats	A. E. Hall, Wallingford	10.60	14.00	12.00	4.02	4.50	8.97	12.00	
Clyde Milling Corp., Clyde, N. Y.										
2210	Ground Oats	L. C. Latimer, So. Coventry	12.19	11.56	12.00	4.24	3.50	11.49	12.00	
Doughboy Industries, Inc., New Richmond, Wis.										
1988	Blenders Pulverized White Oats	Fred C. Morse & Son, Guilford	13.27	11.69	10.00	3.09	2.50	15.22	15.00	
Fruen Milling Co., Minneapolis, Minn.										
2059	Fruen's Crescent Brand Pulverized Oats	Seymour Grain & Coal, Seymour	13.27	10.13	10.00	4.24	3.00	14.80	15.00	
2057	Fruen's Mixer's Coarse Ground White Oats	Seymour Grain & Coal, Seymour	12.20	8.44	10.00	2.99	2.50	16.10	15.00	
2061	Fruen's Mixer's Pulverized White Oats	Seymour Grain & Coal, Seymour	11.76	10.63	10.00	2.70	2.50	13.53	15.00	
General Mills, Inc., Minneapolis, Minn.										
2172	Pulverized White Oats	C. W. Campbell Co., Pawcatuck	11.71	14.38	12.00	6.34	4.50	5.25	13.00	

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